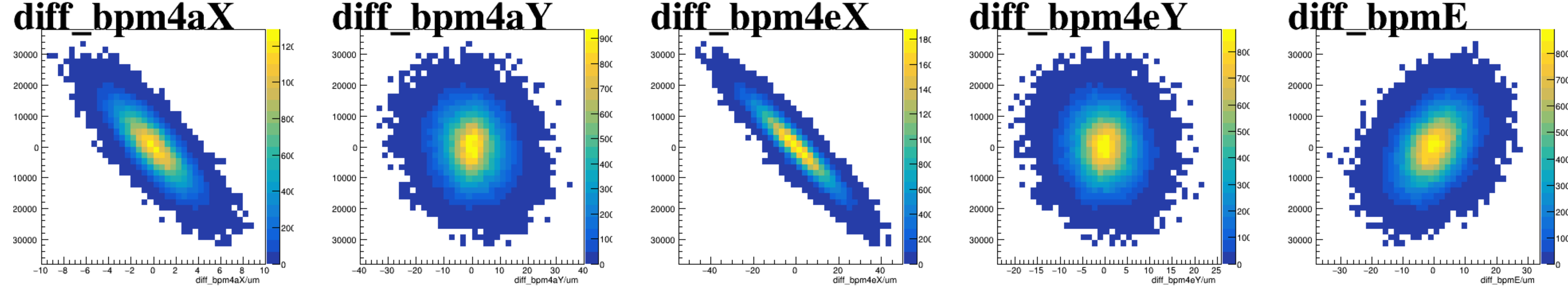
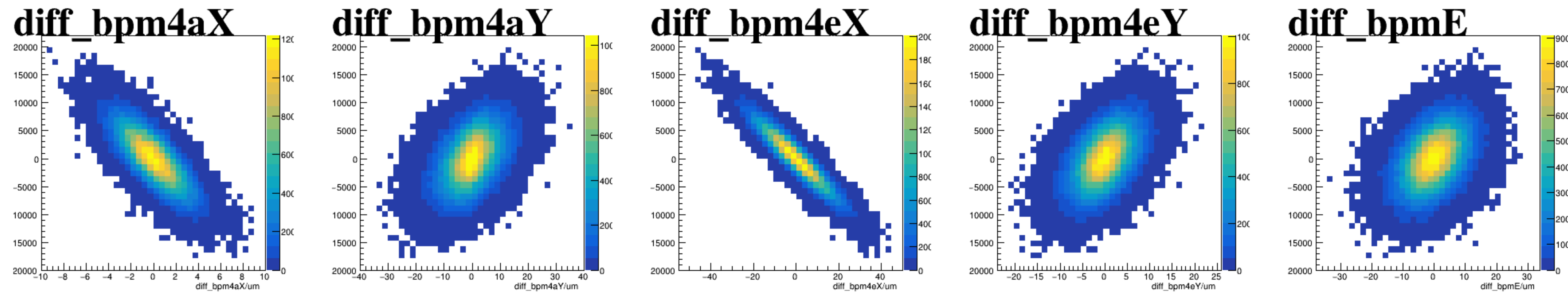


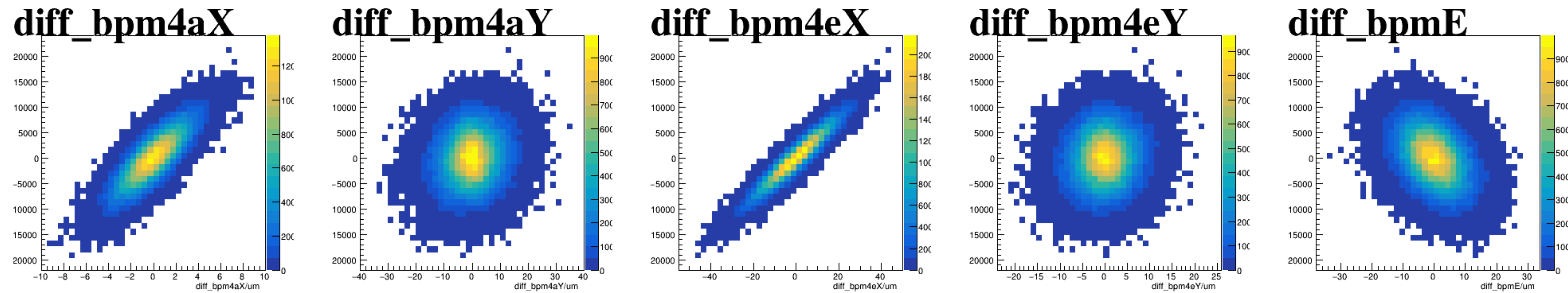
asym_sam2



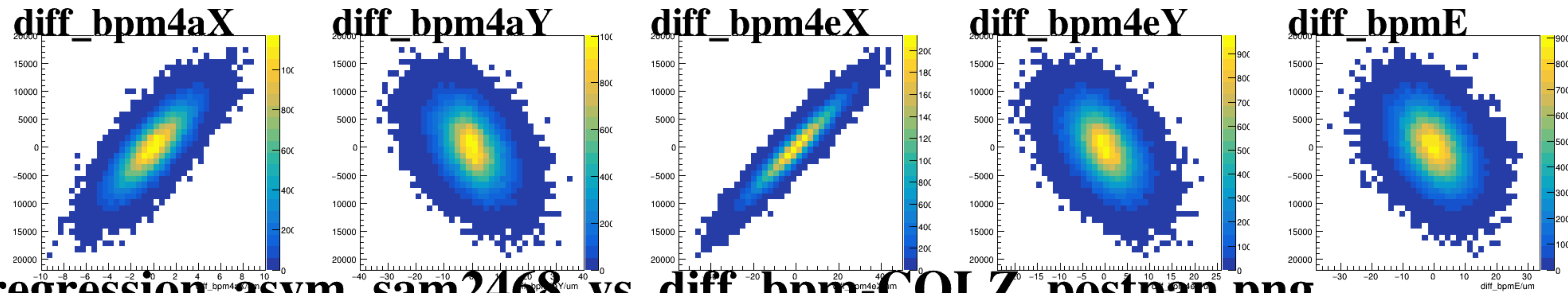
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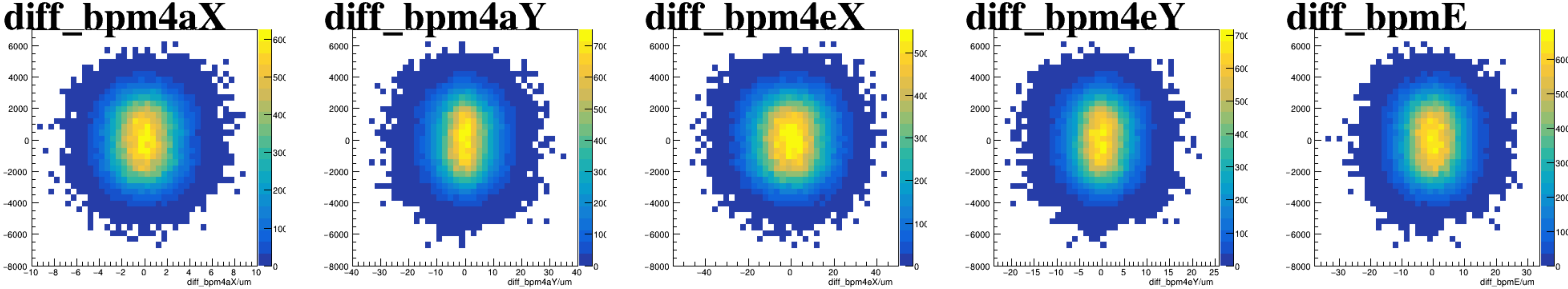
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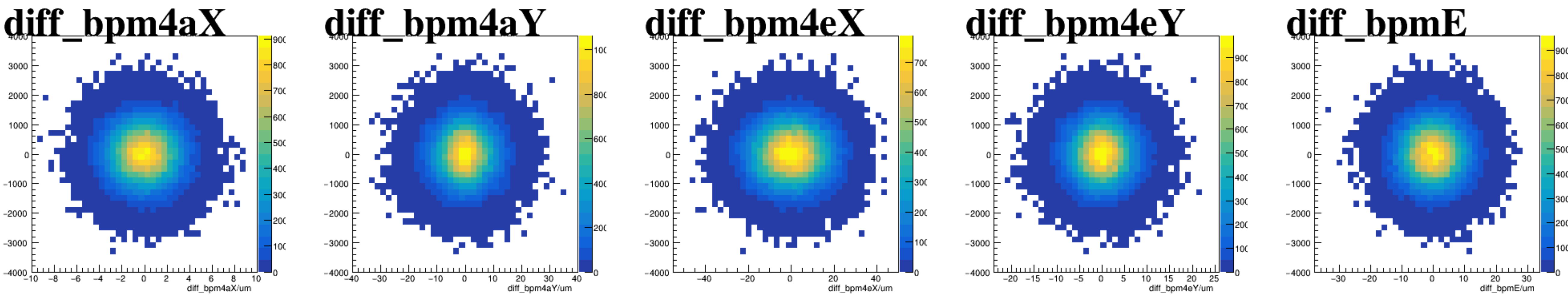
asym_sam8



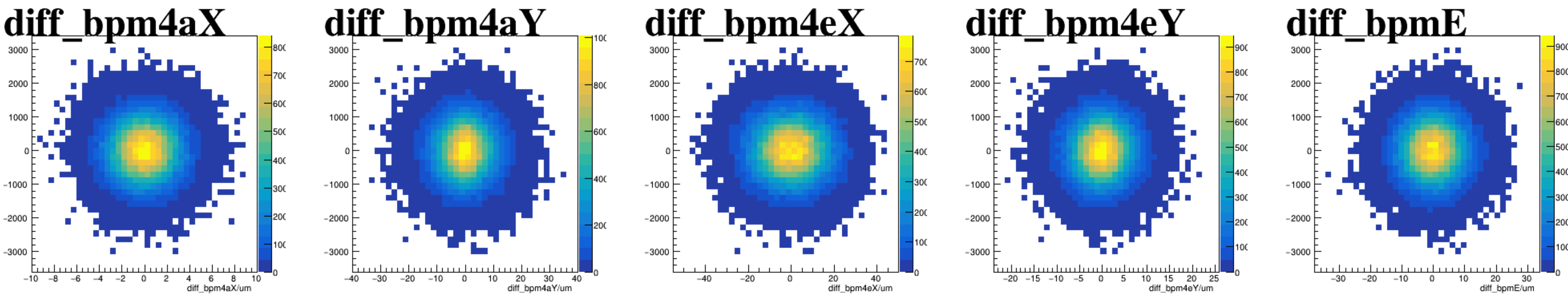
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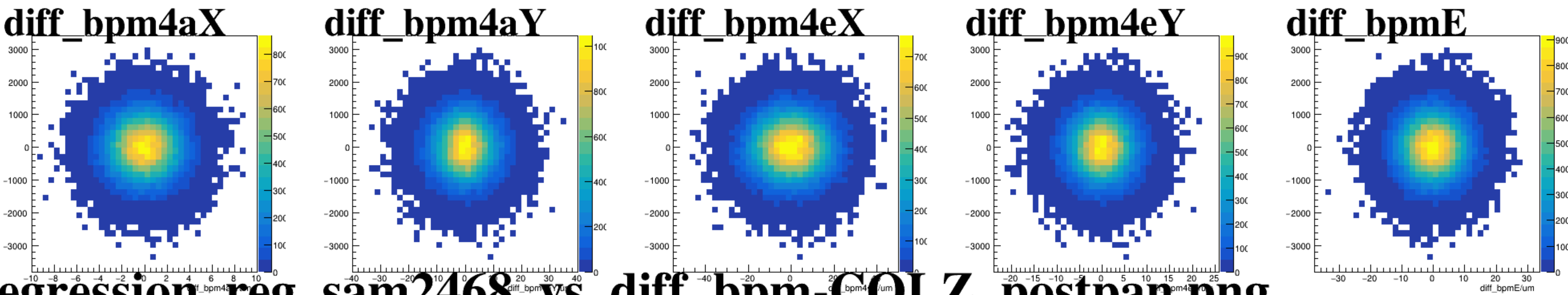
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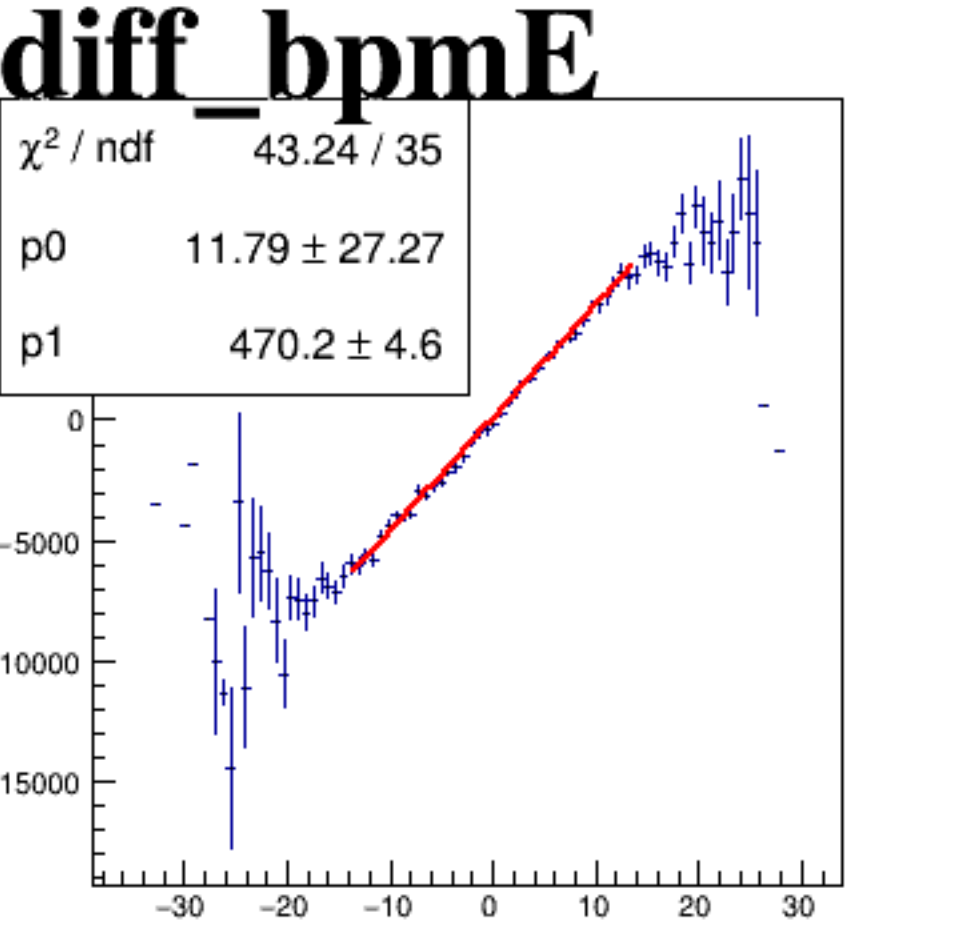
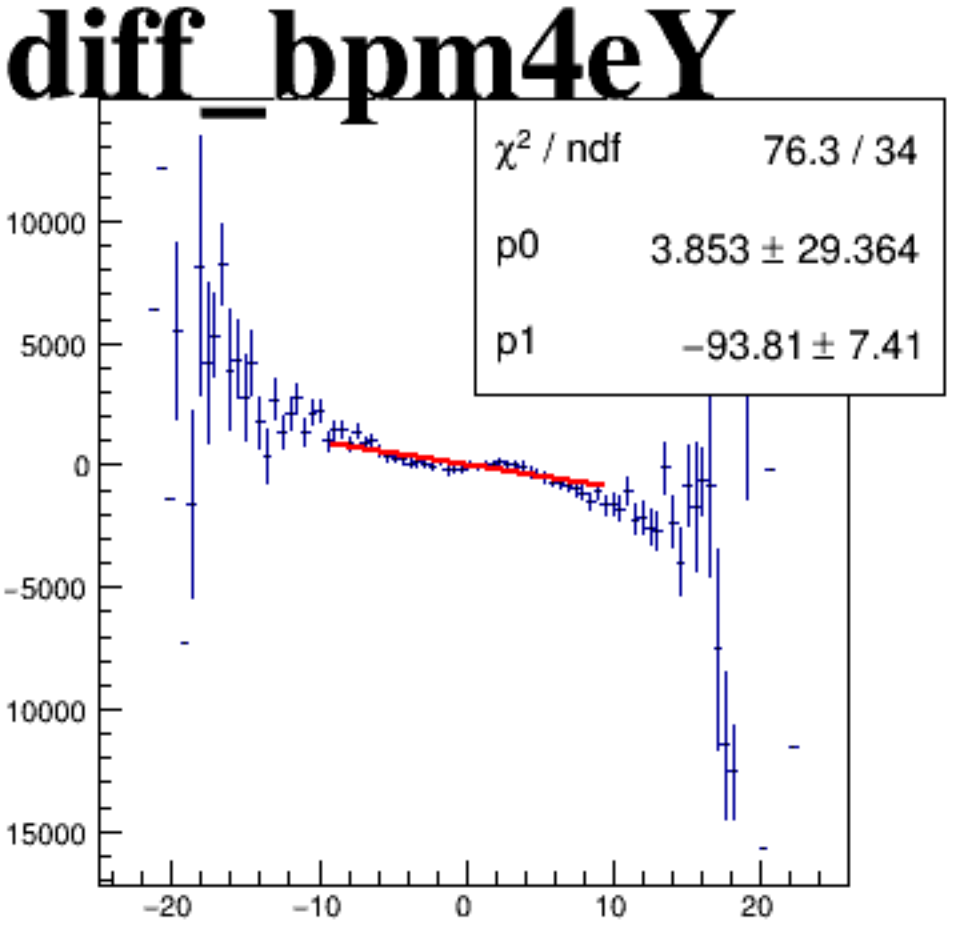
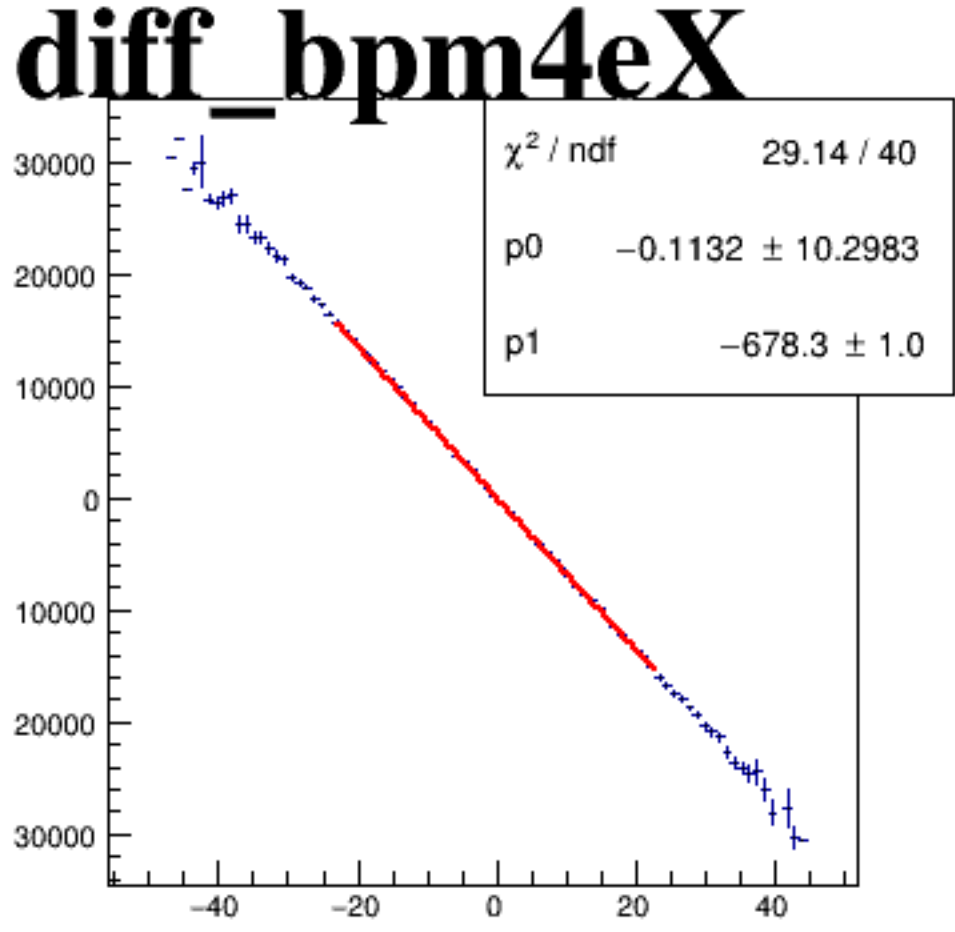
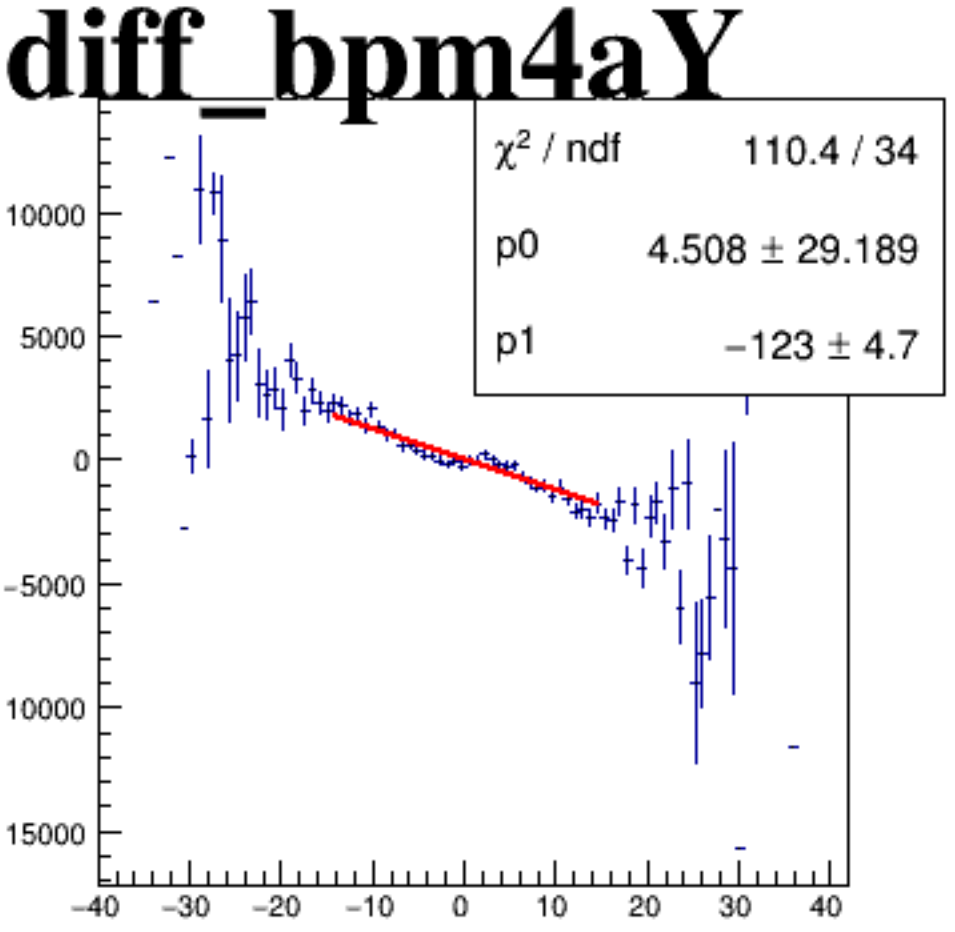
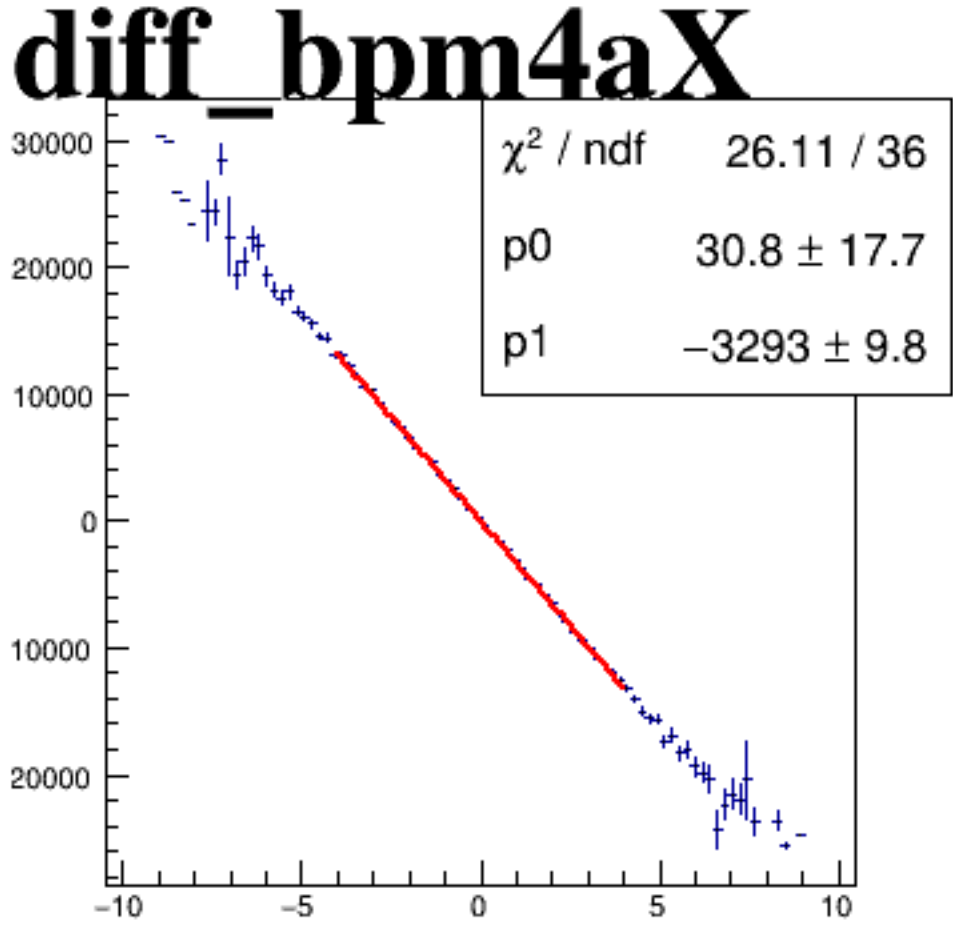
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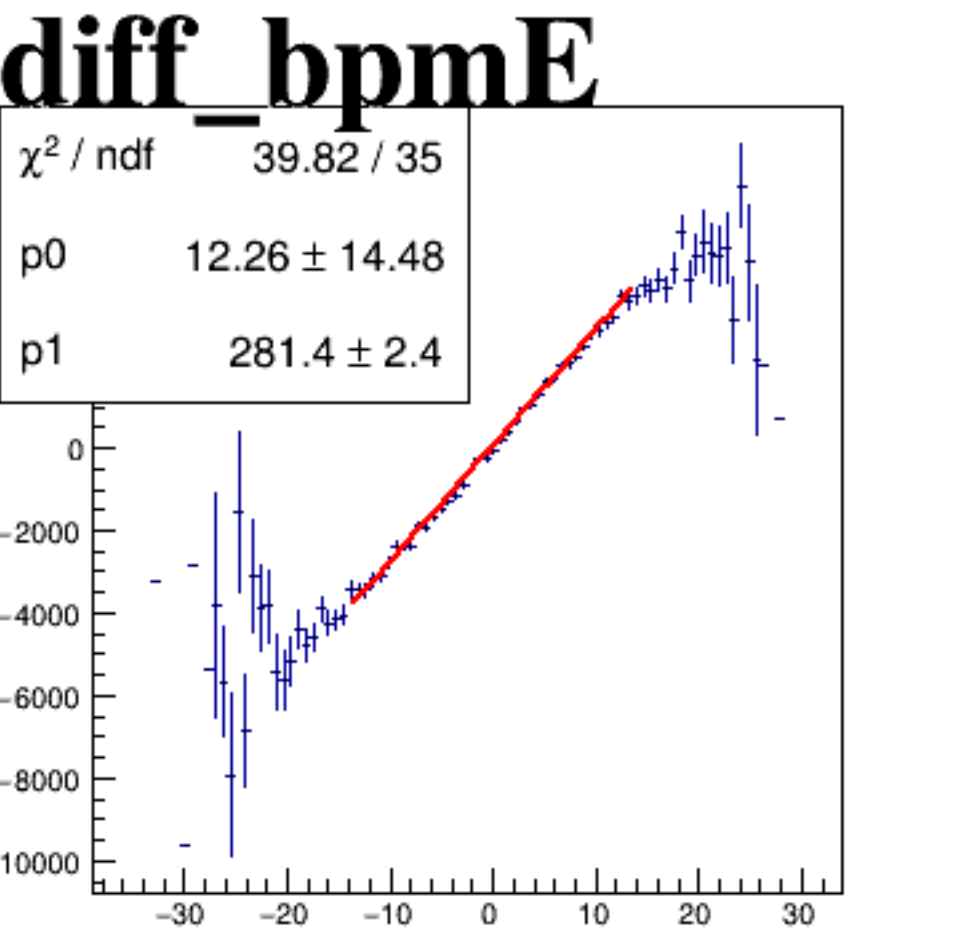
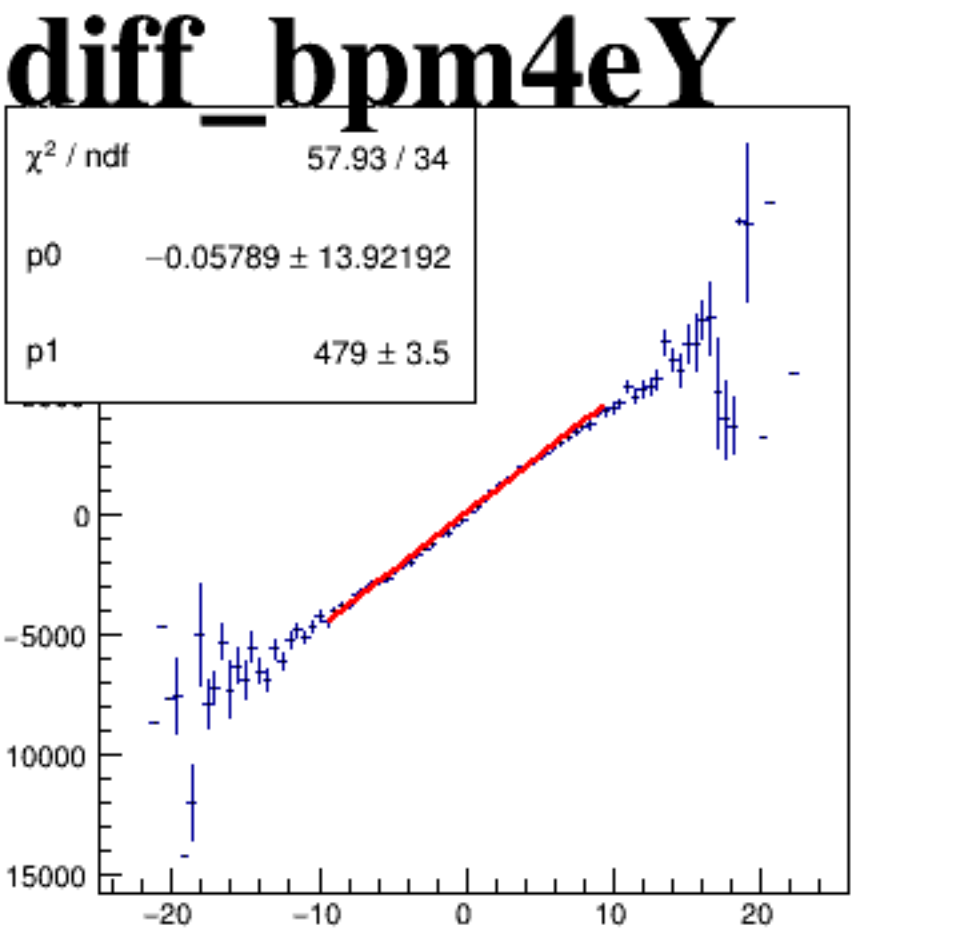
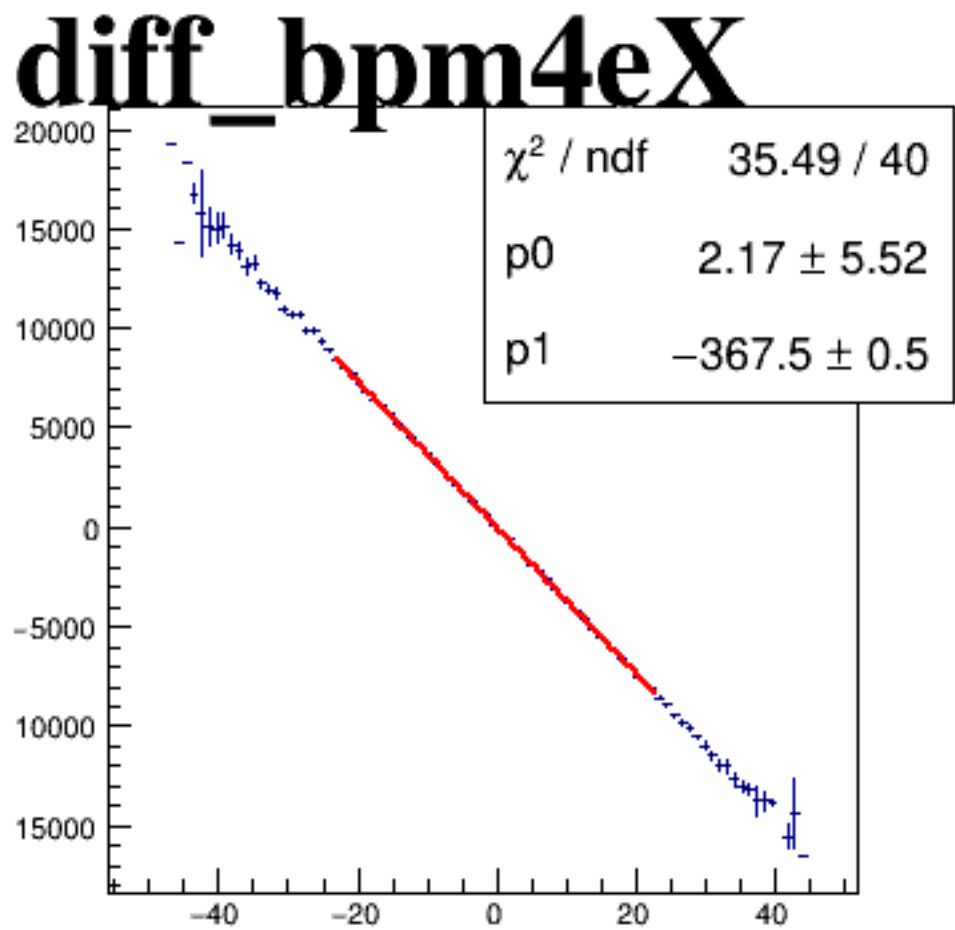
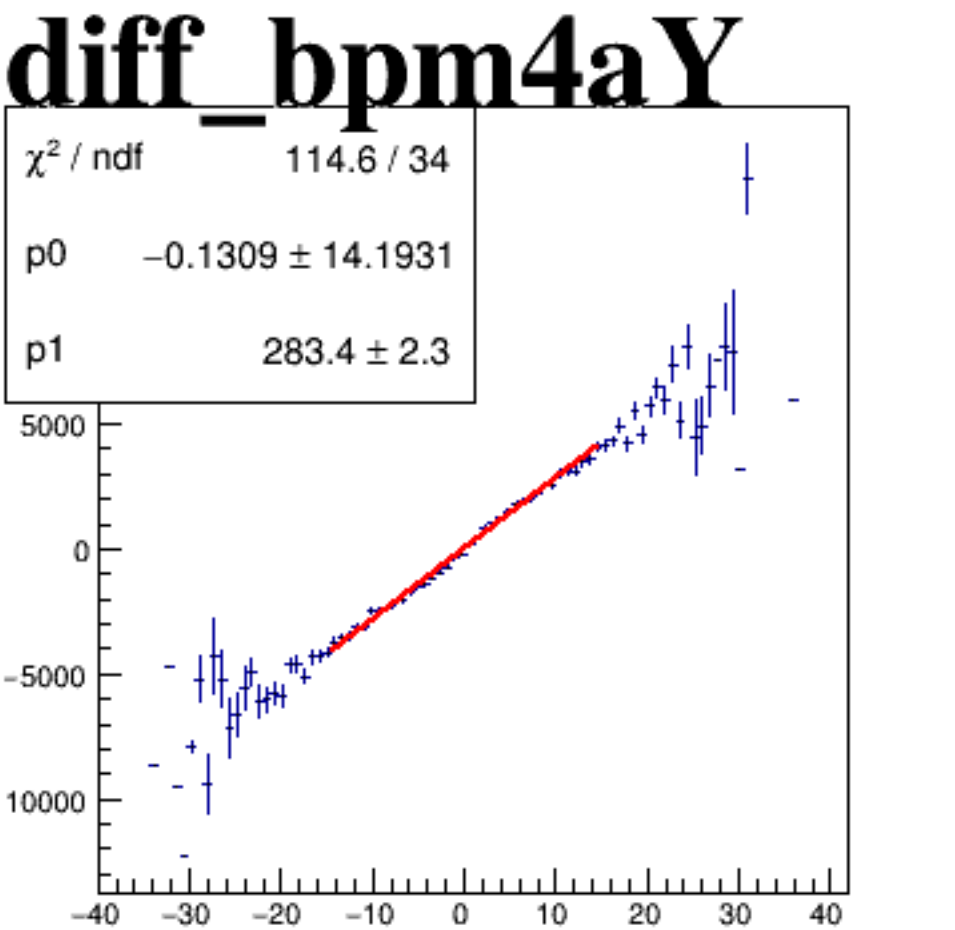
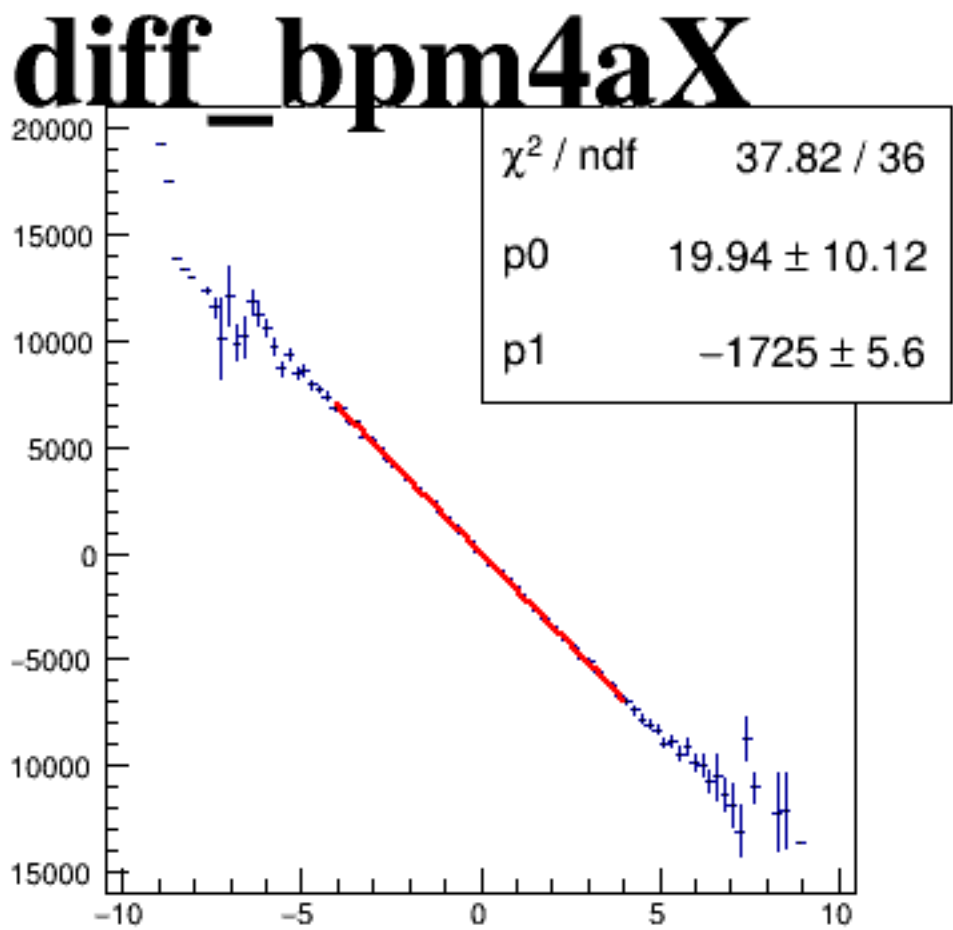
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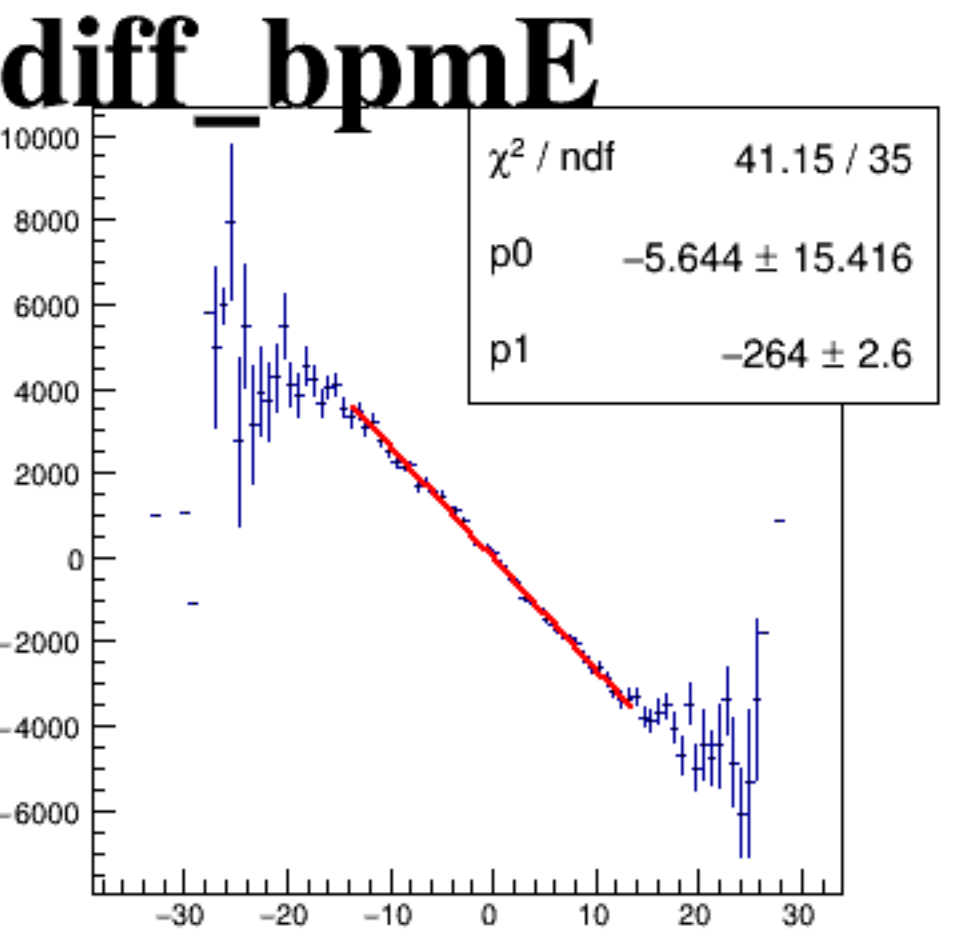
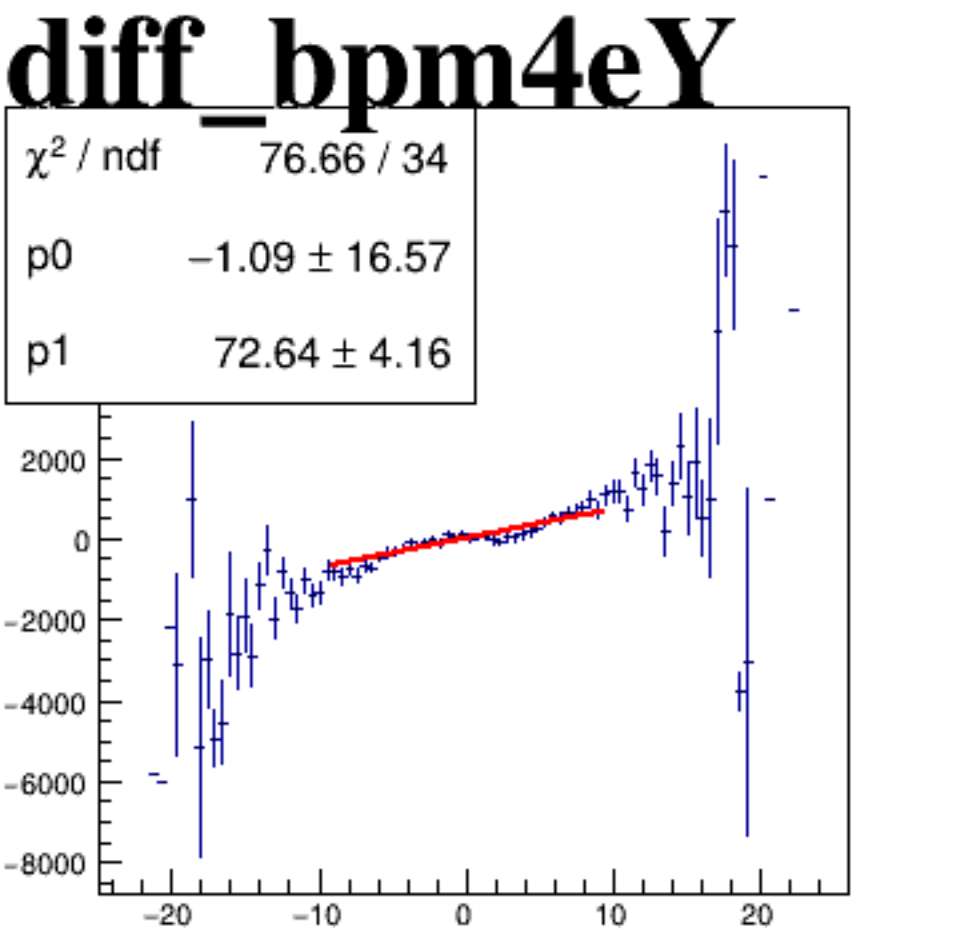
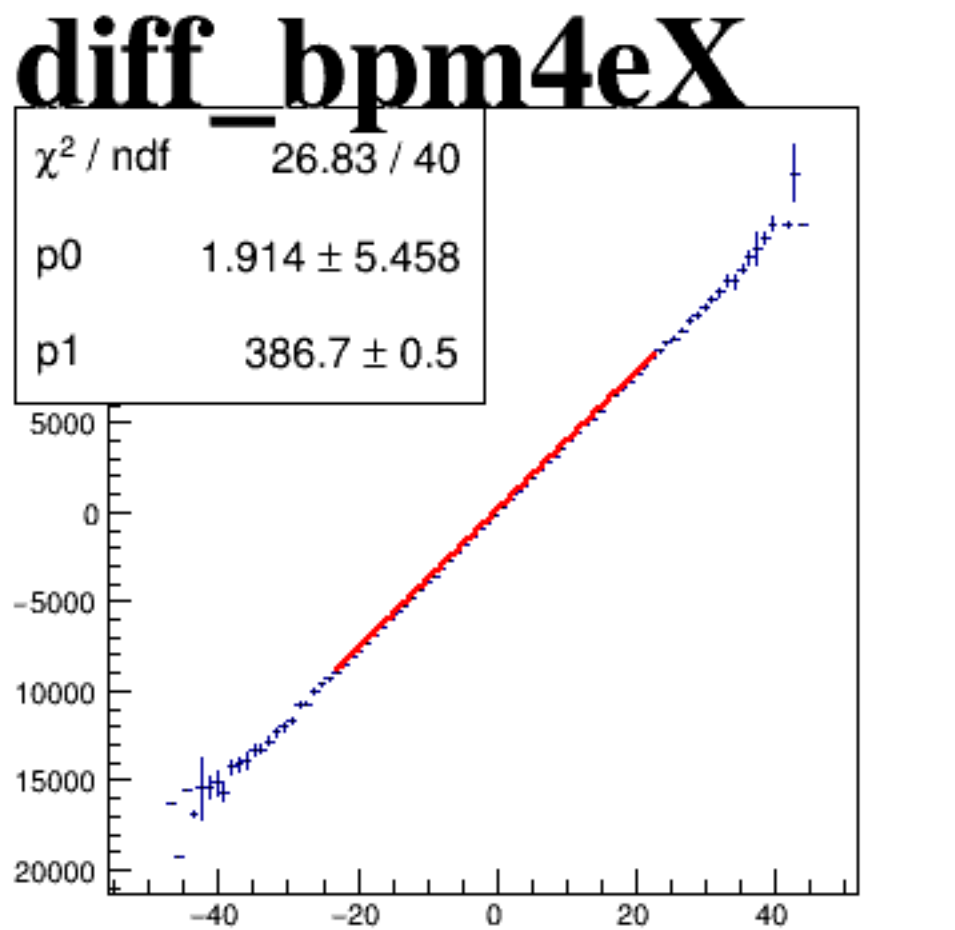
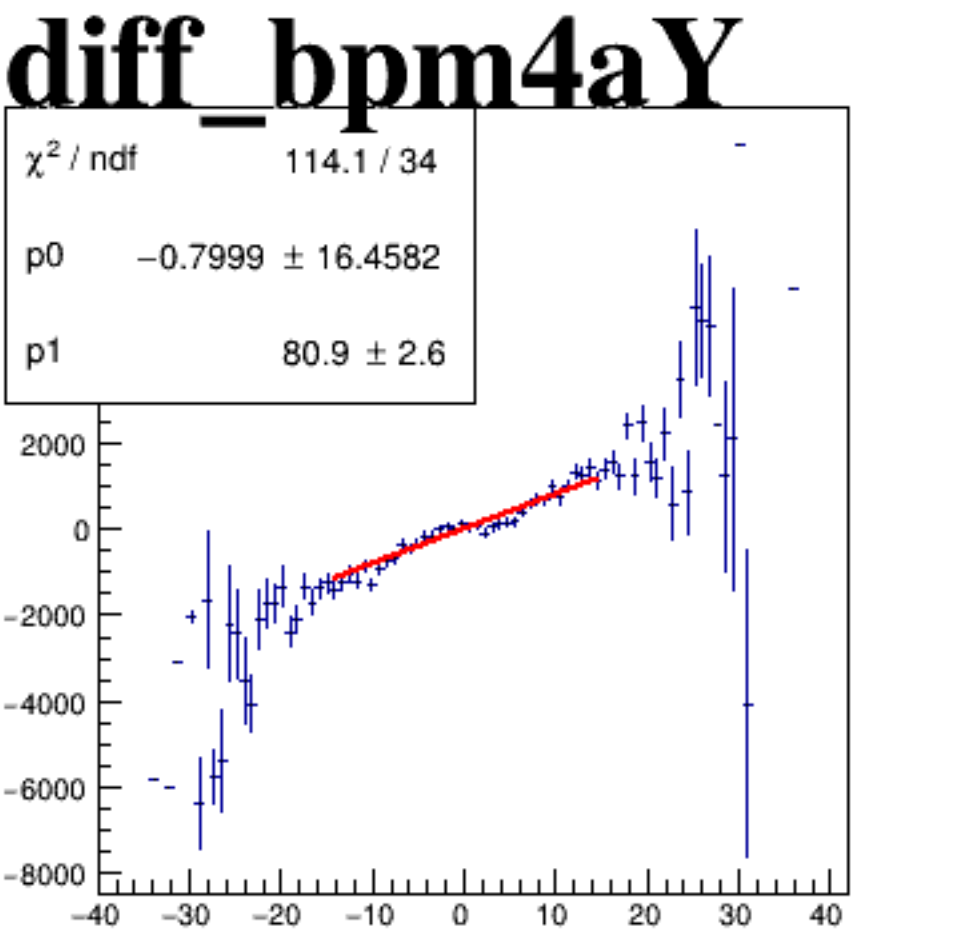
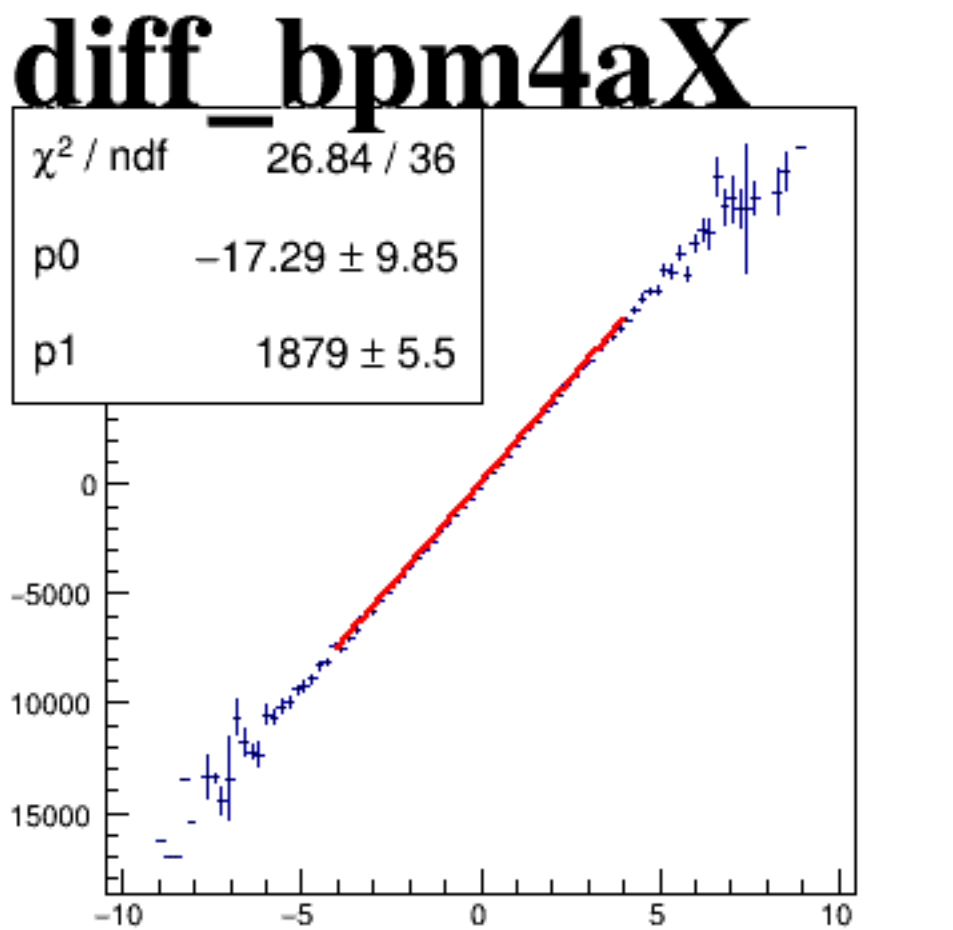
asym_sam2



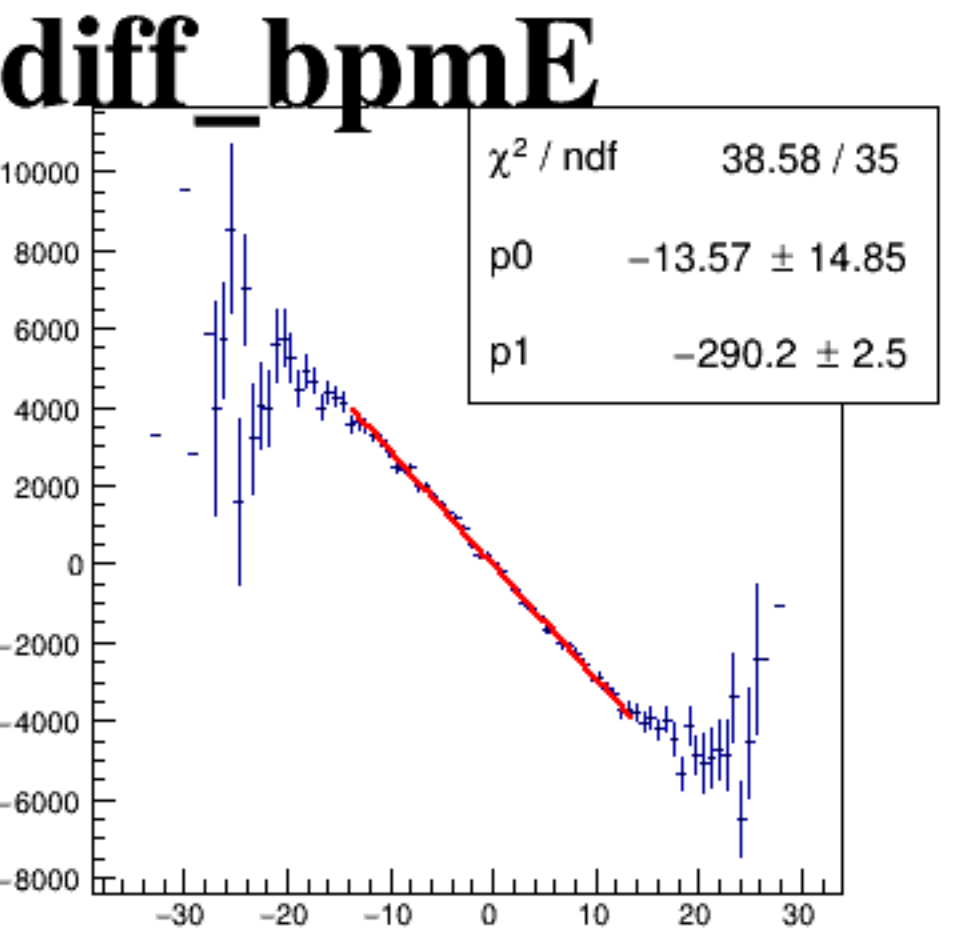
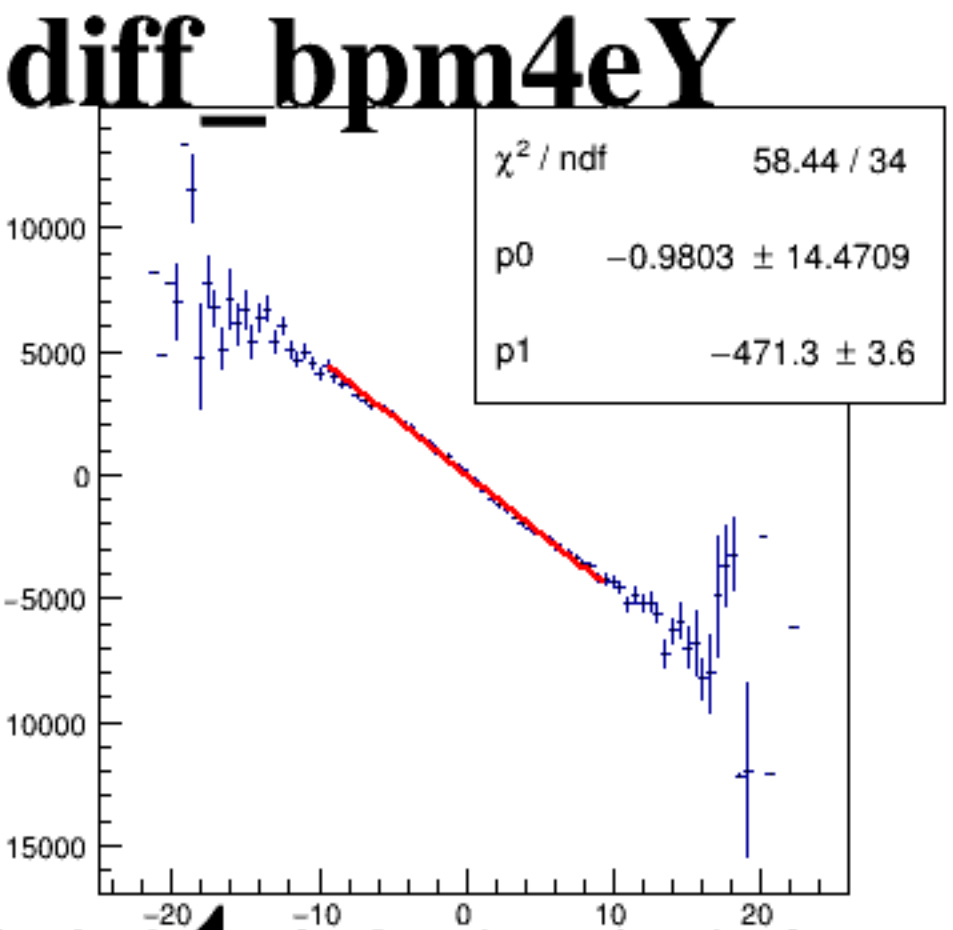
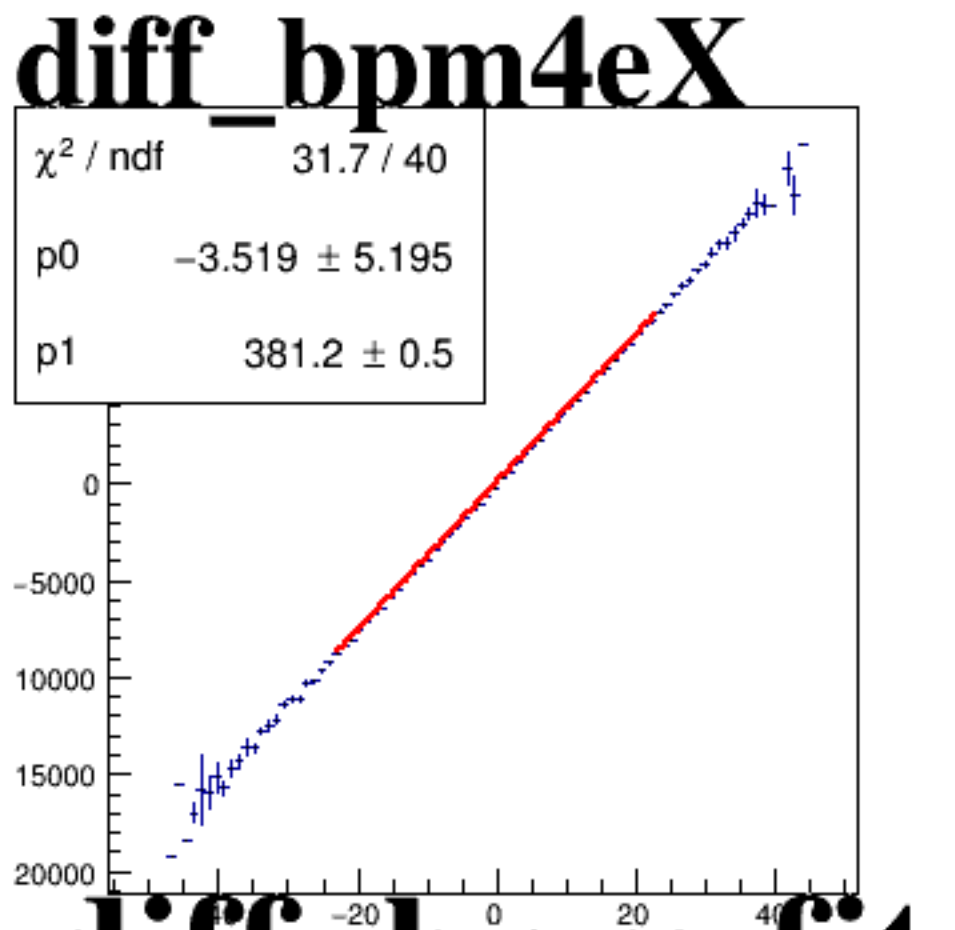
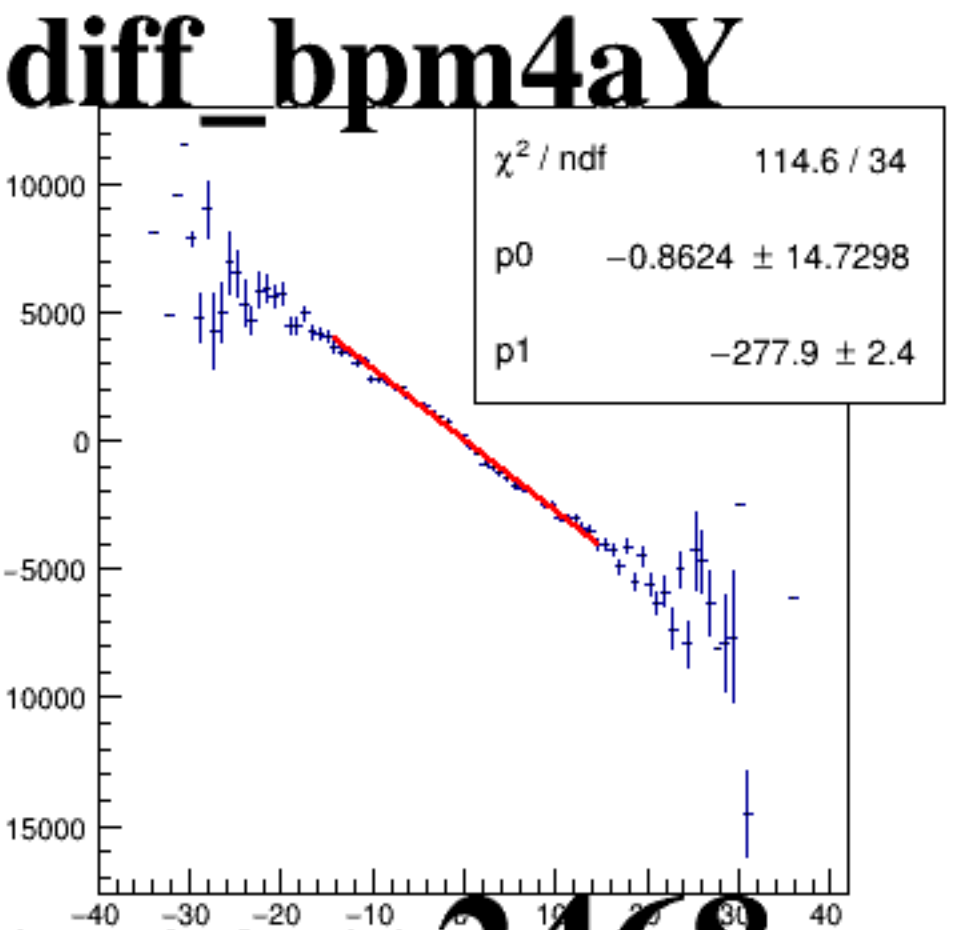
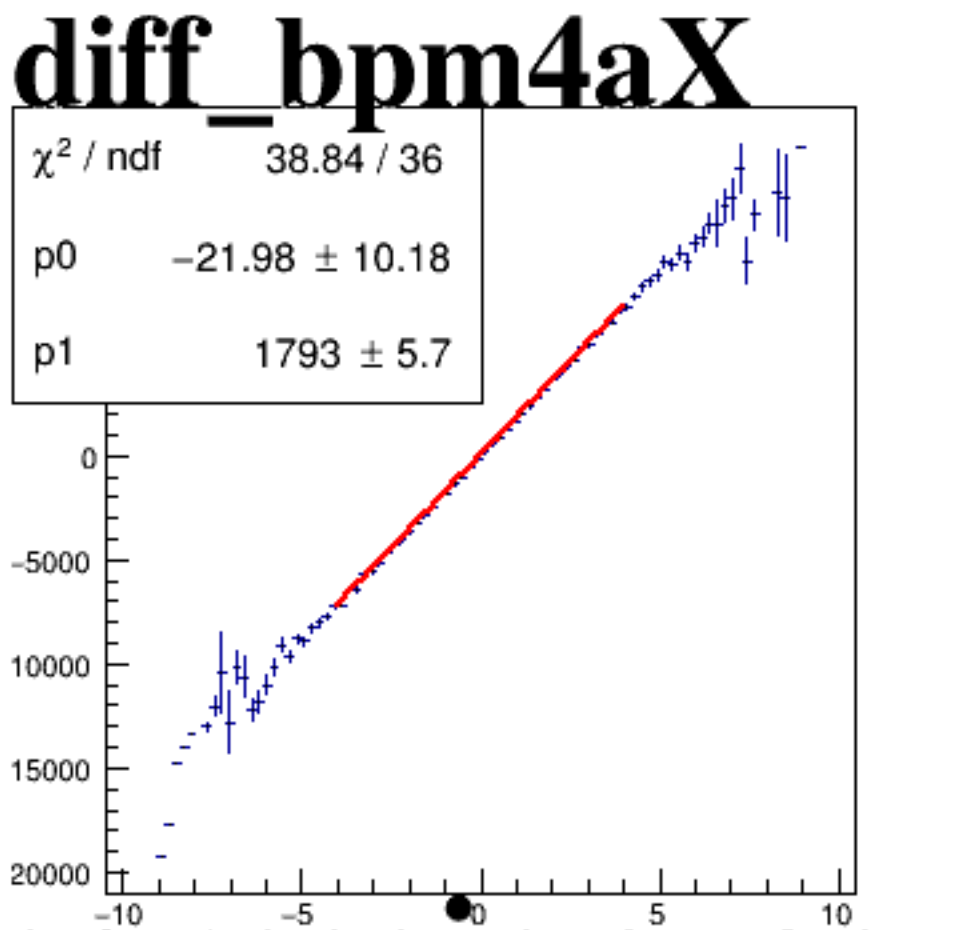
asym_sam4



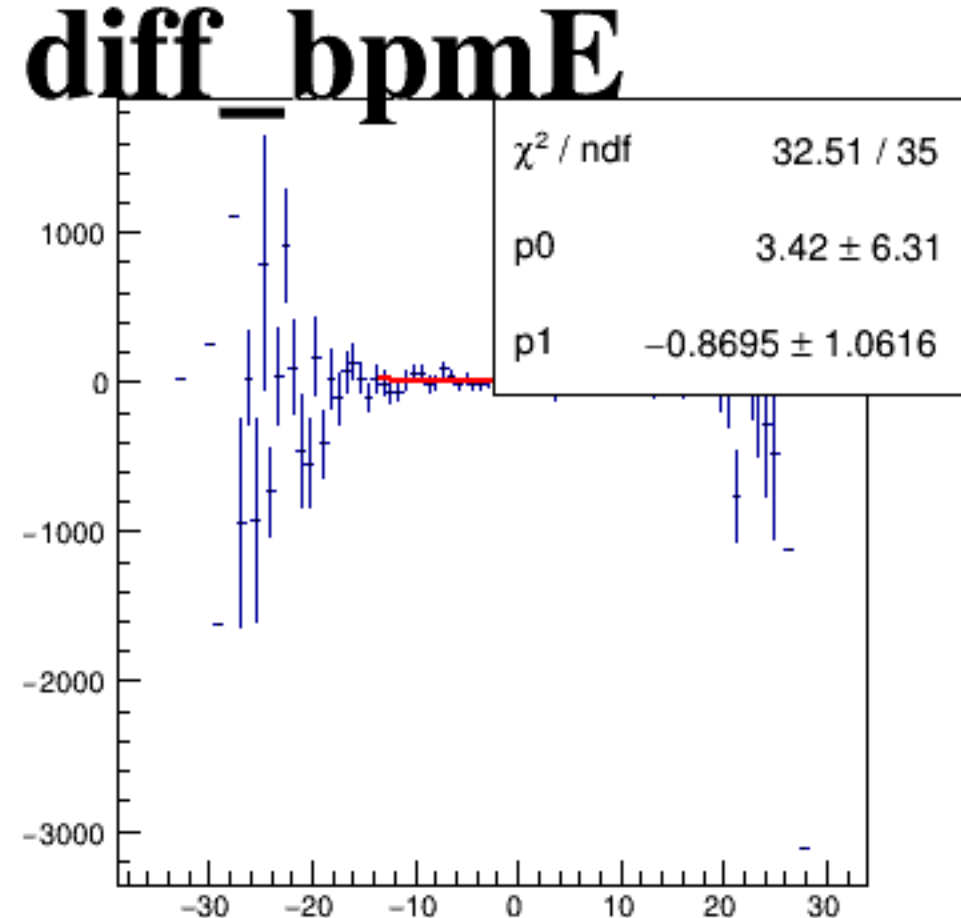
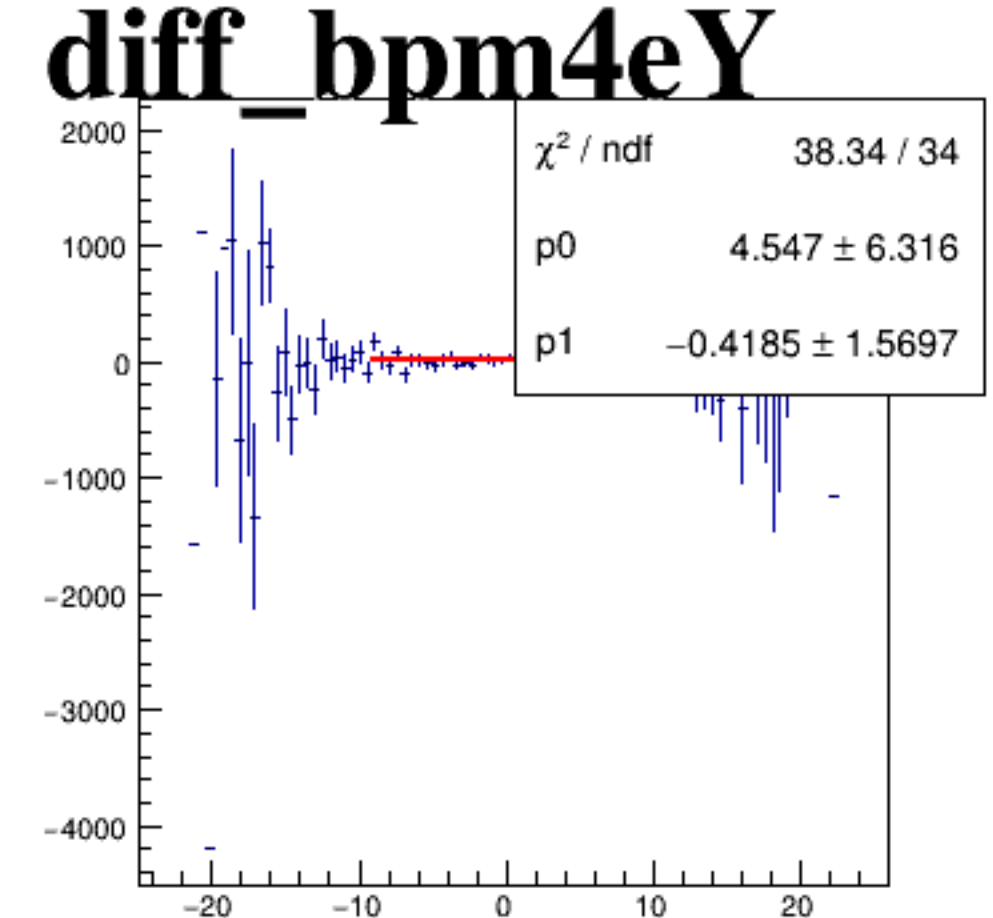
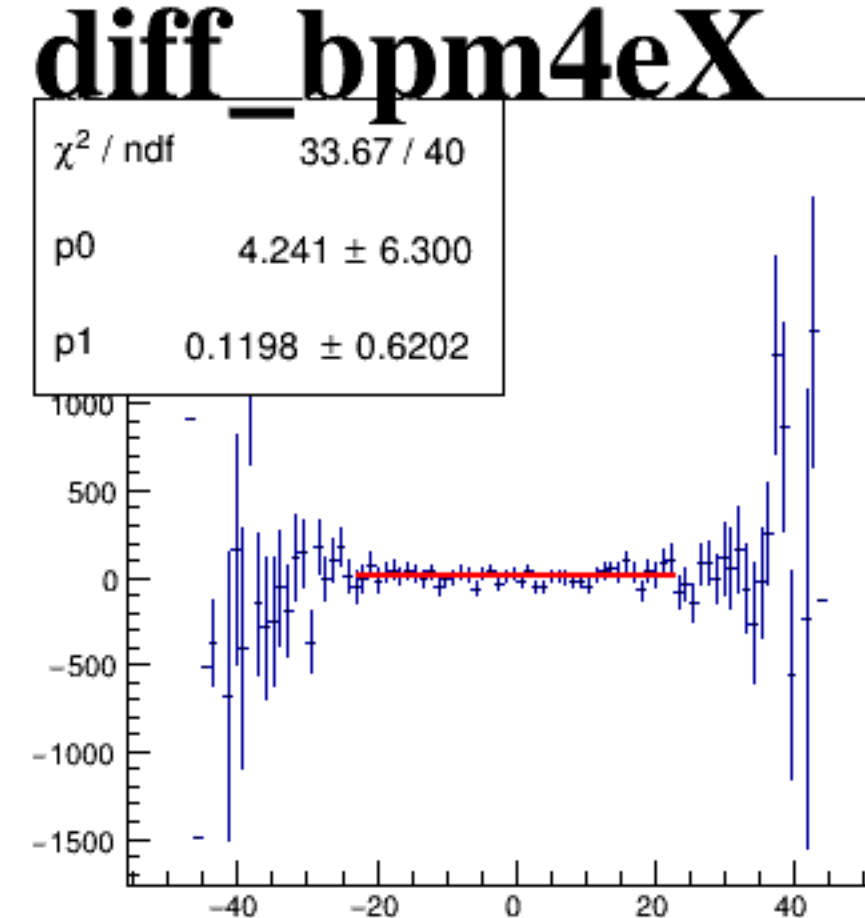
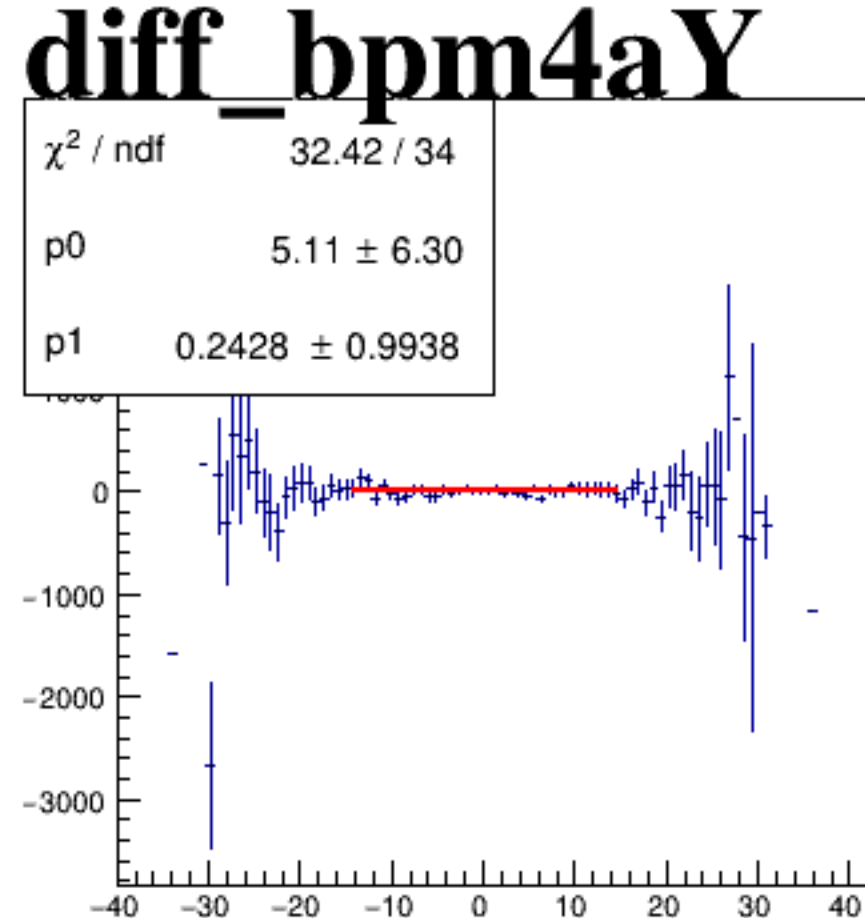
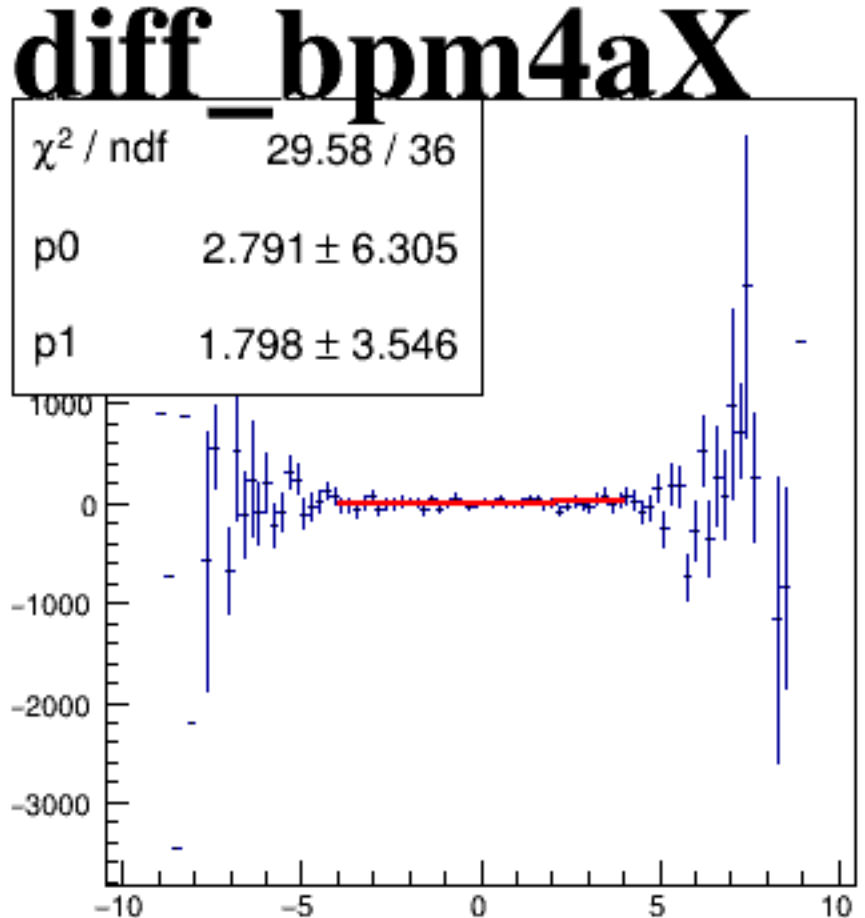
asym_sam6



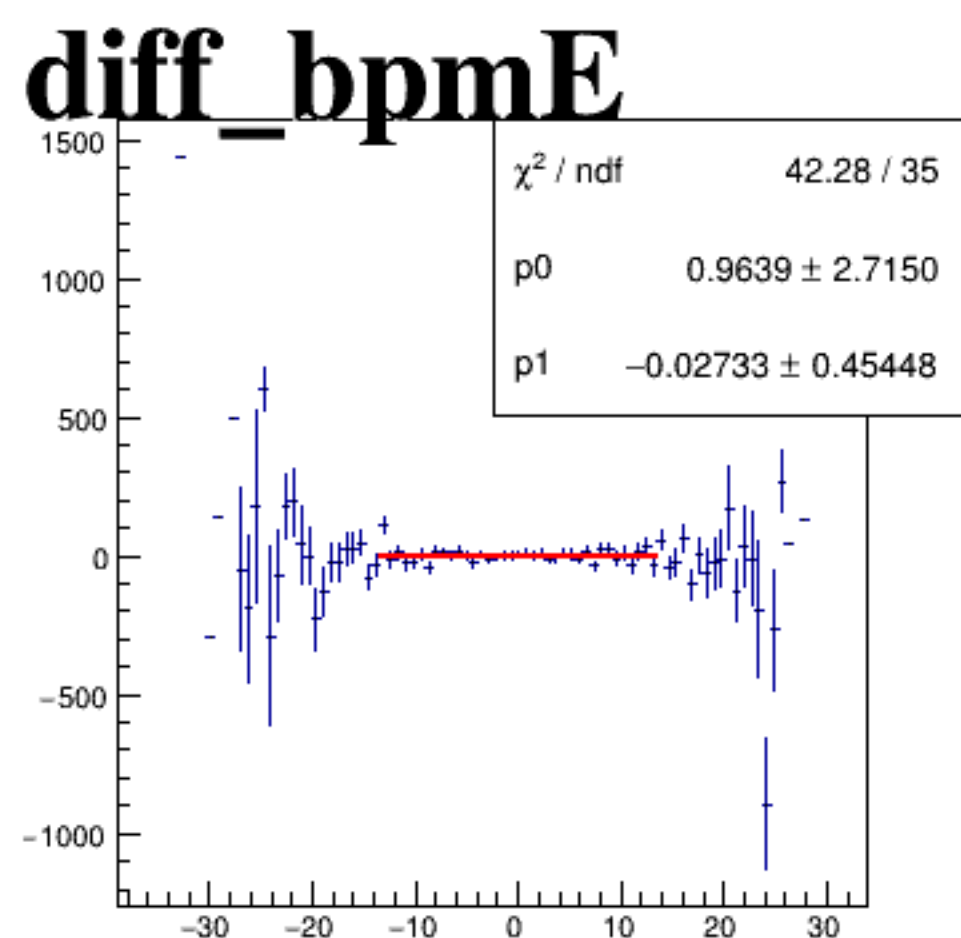
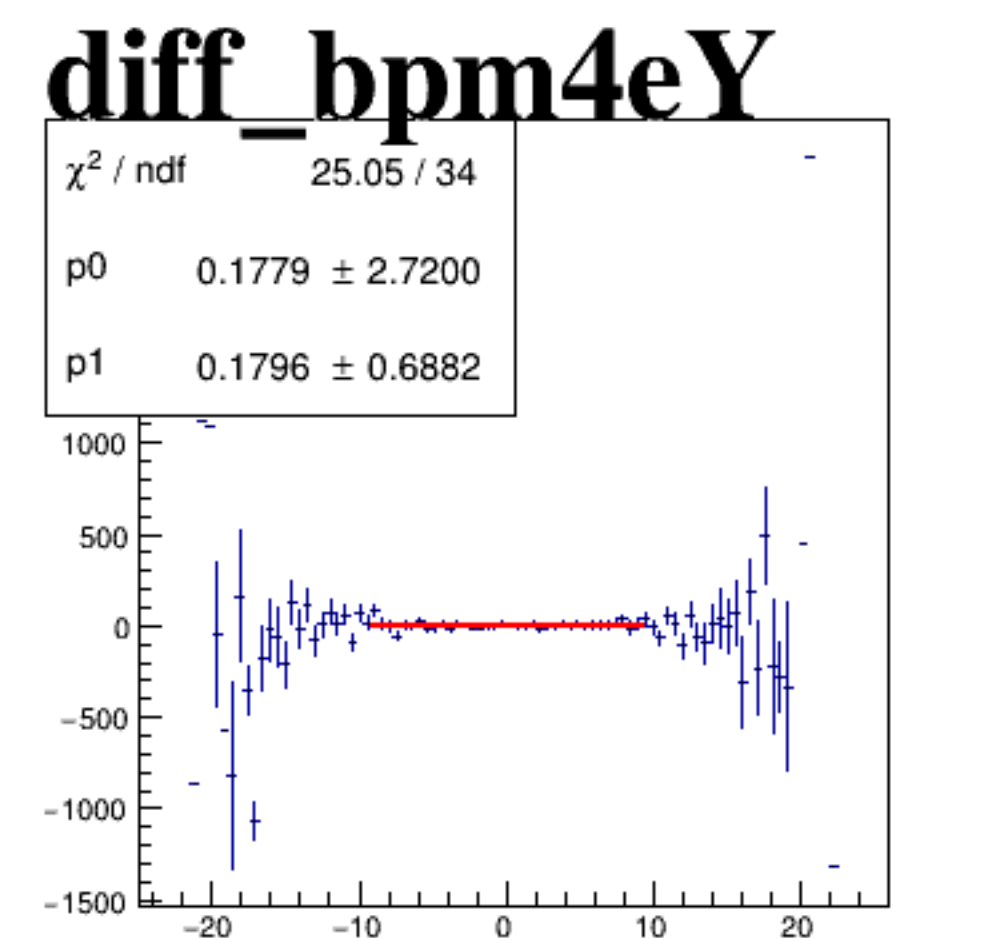
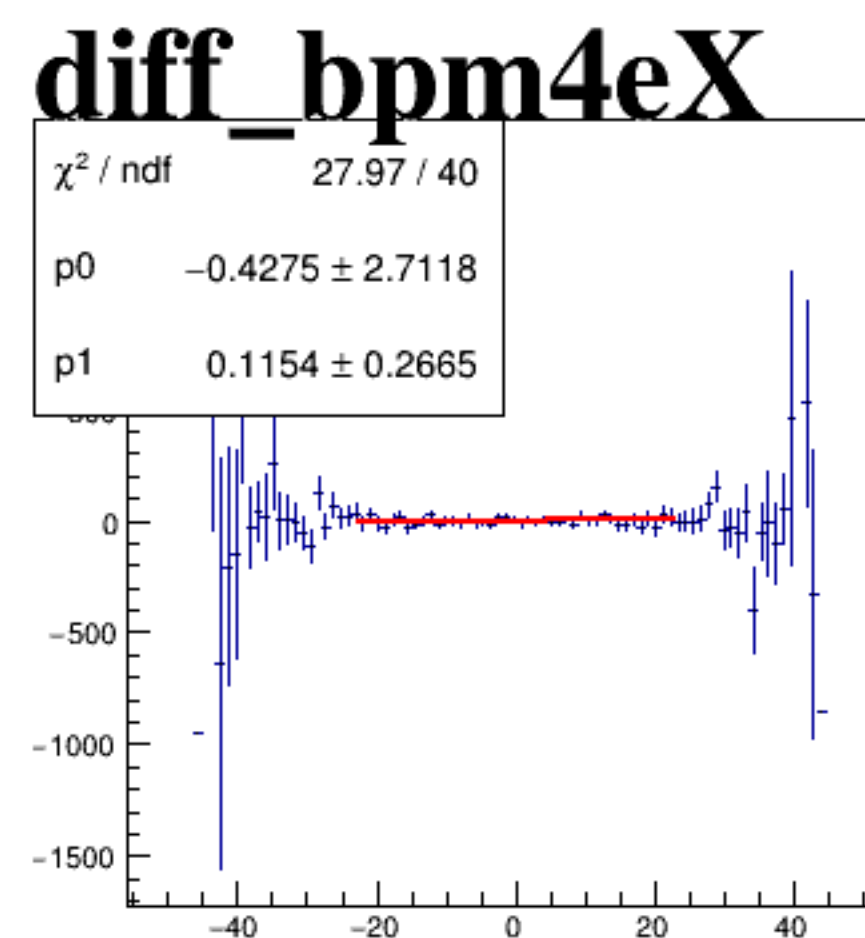
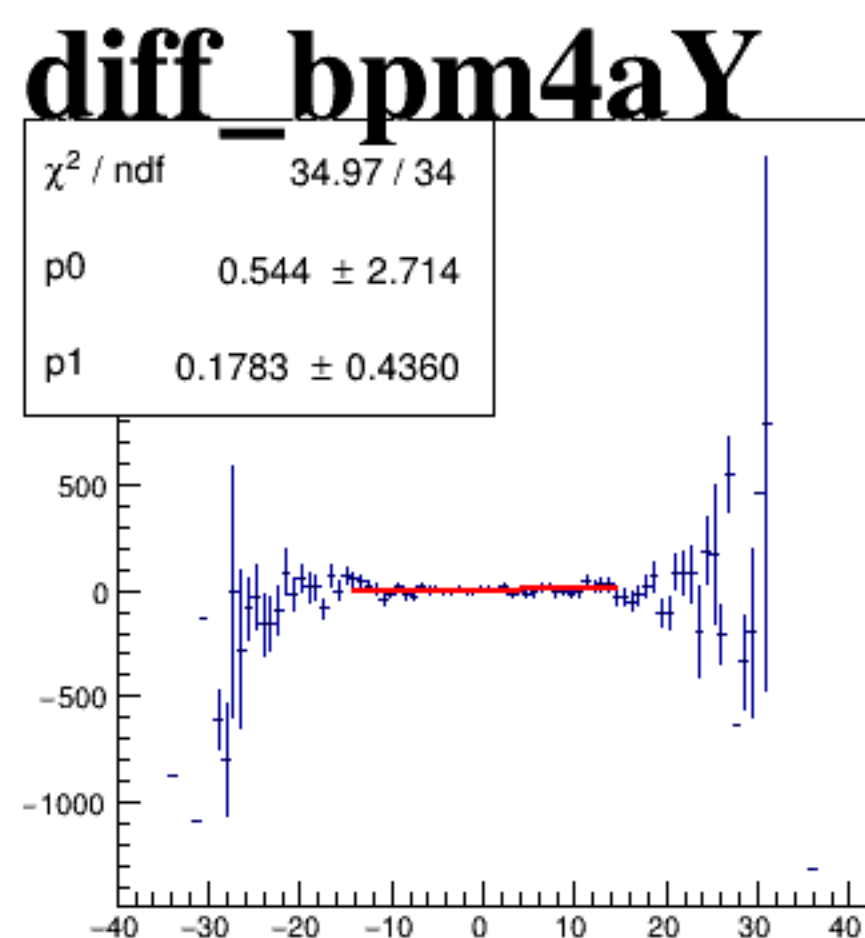
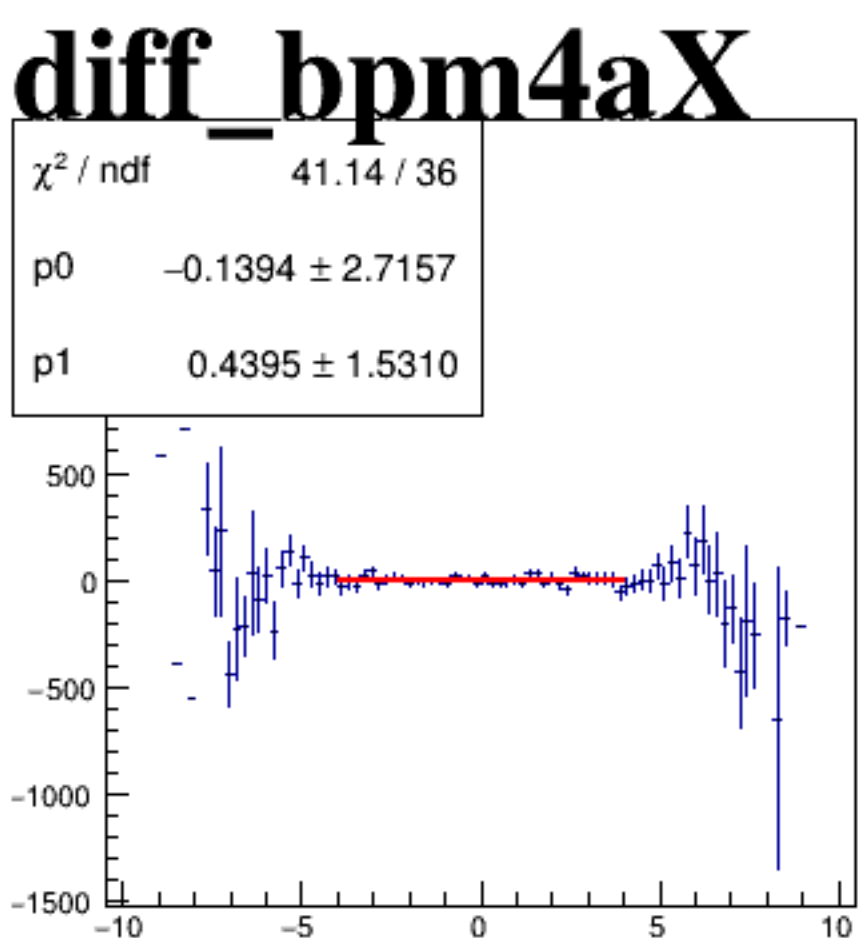
asym_sam8



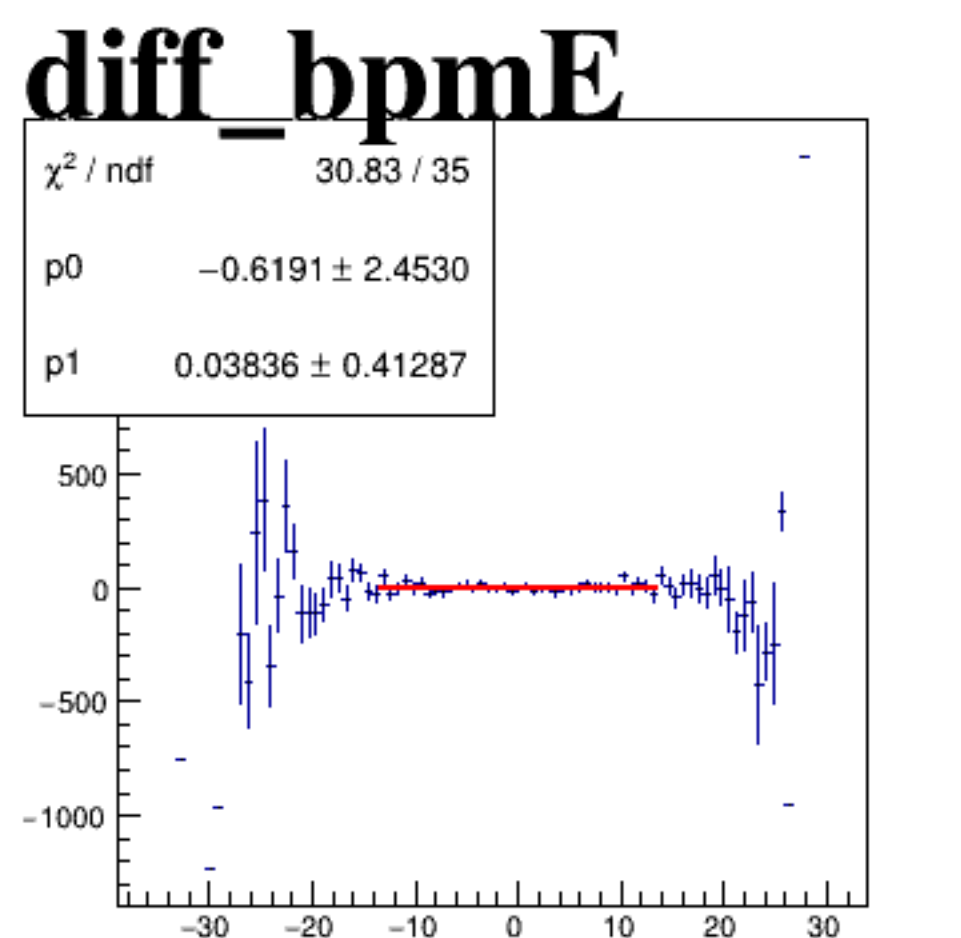
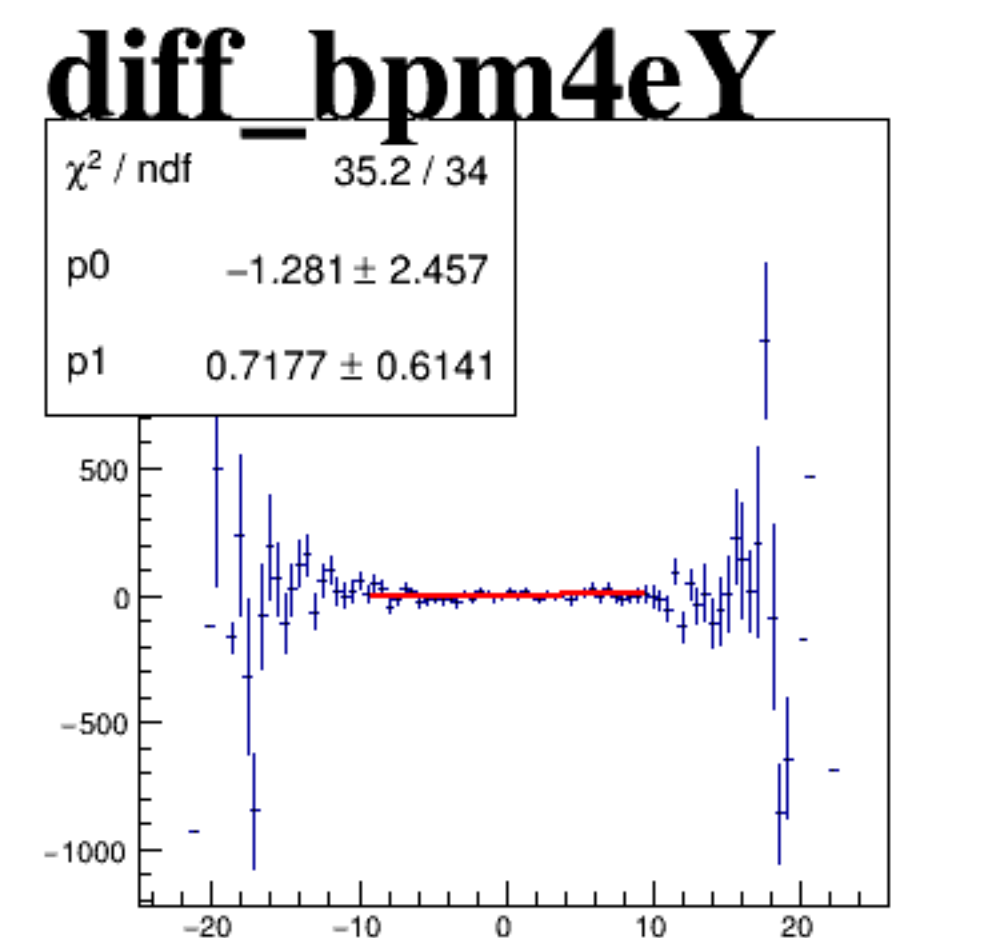
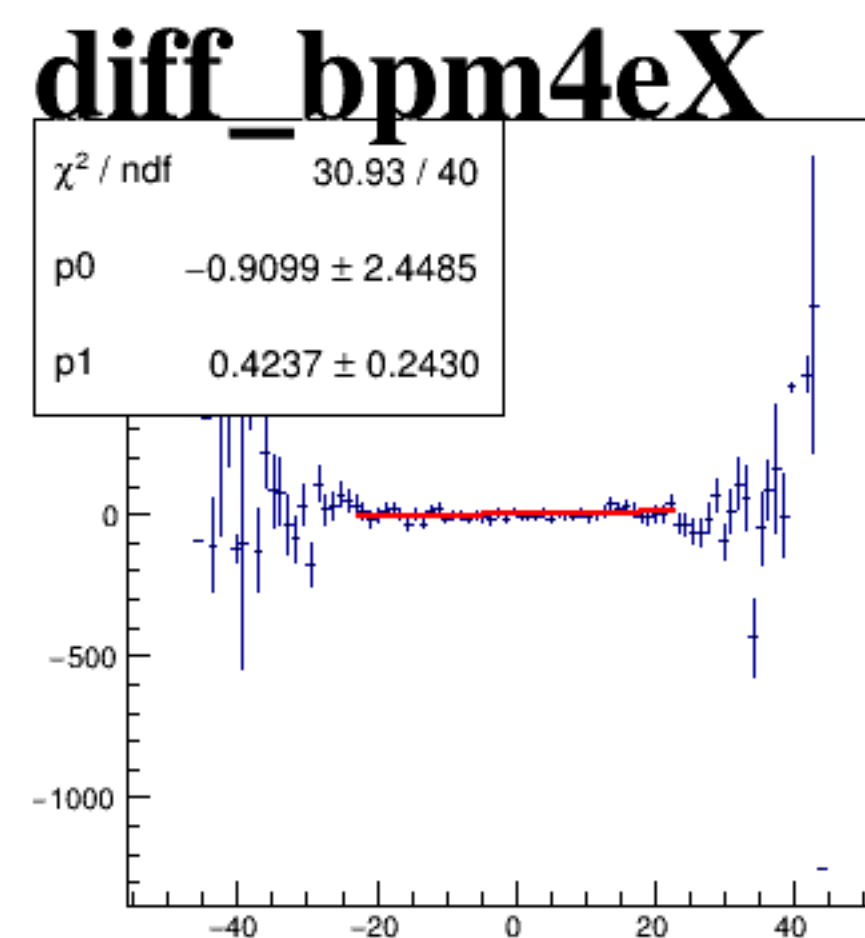
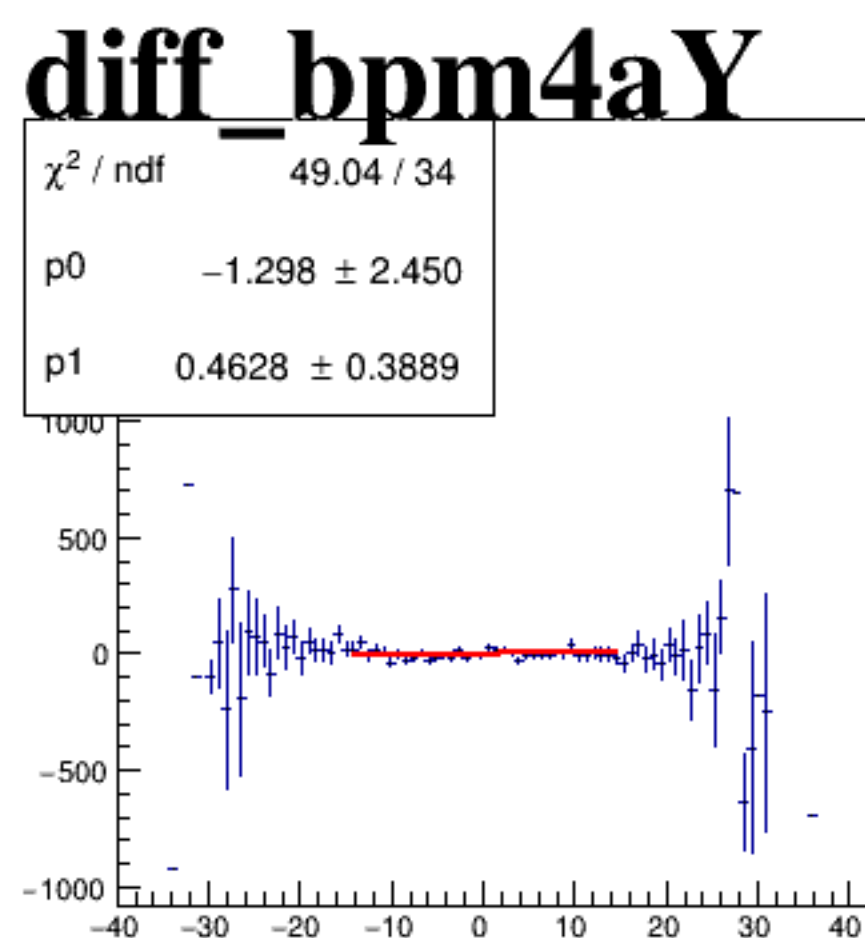
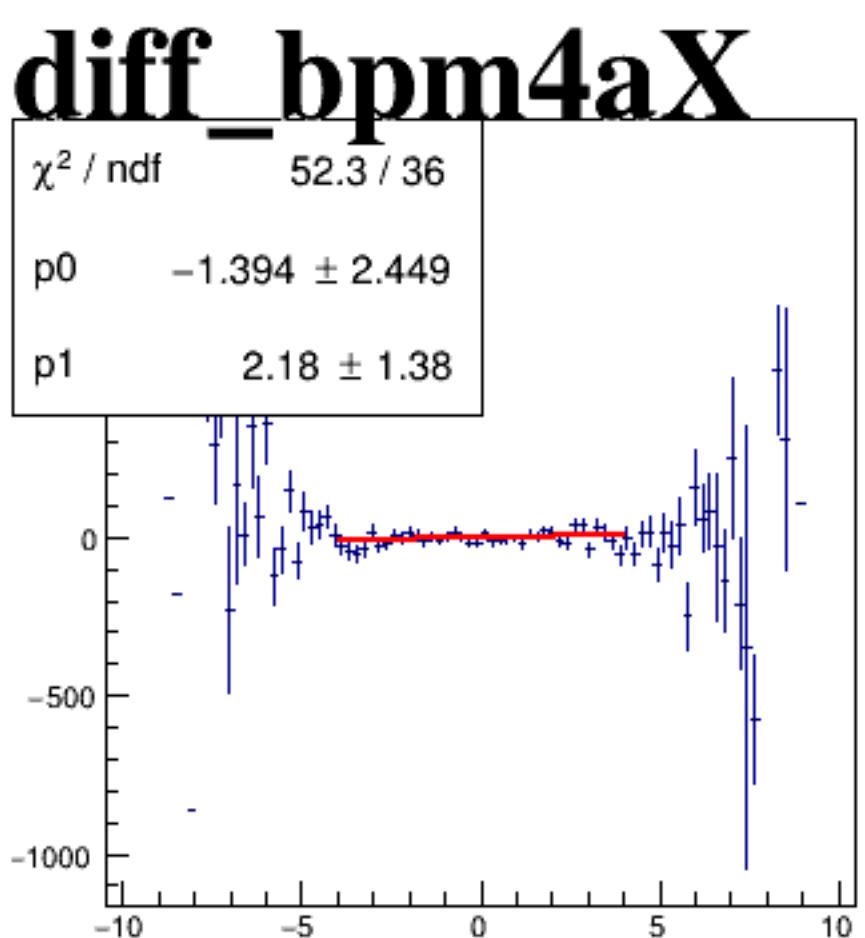
reg_asym_sam2



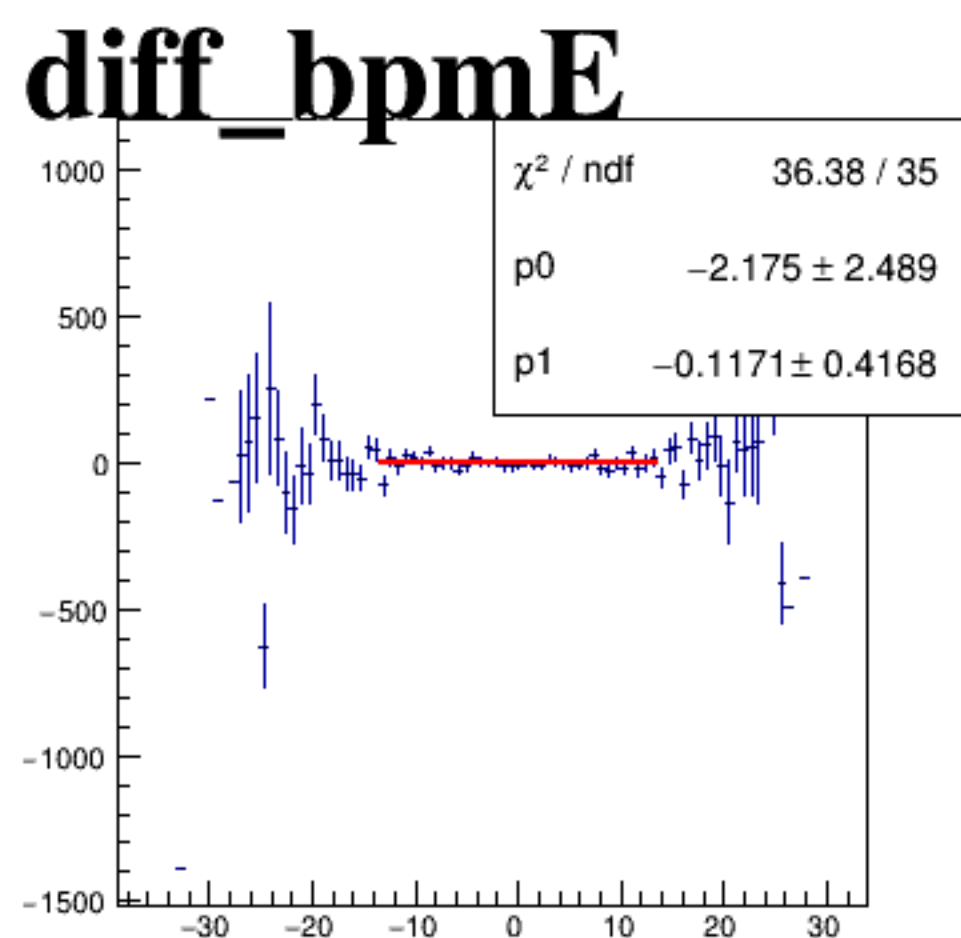
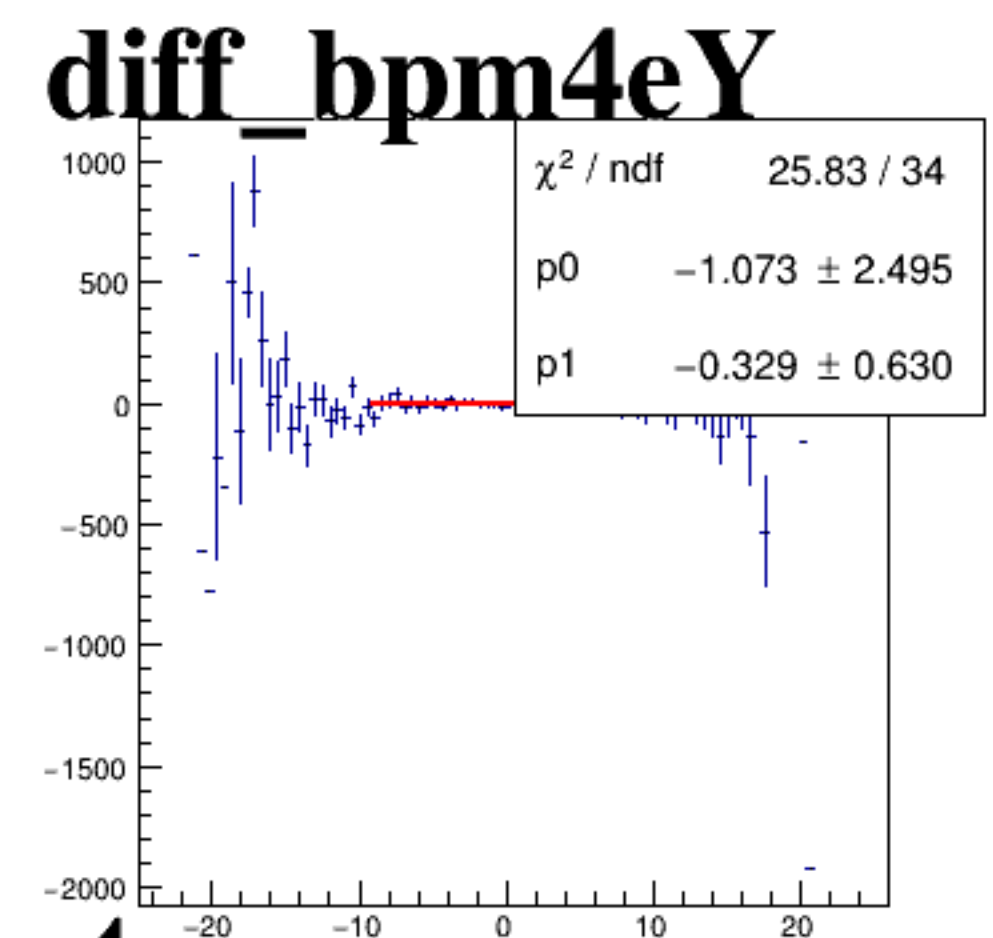
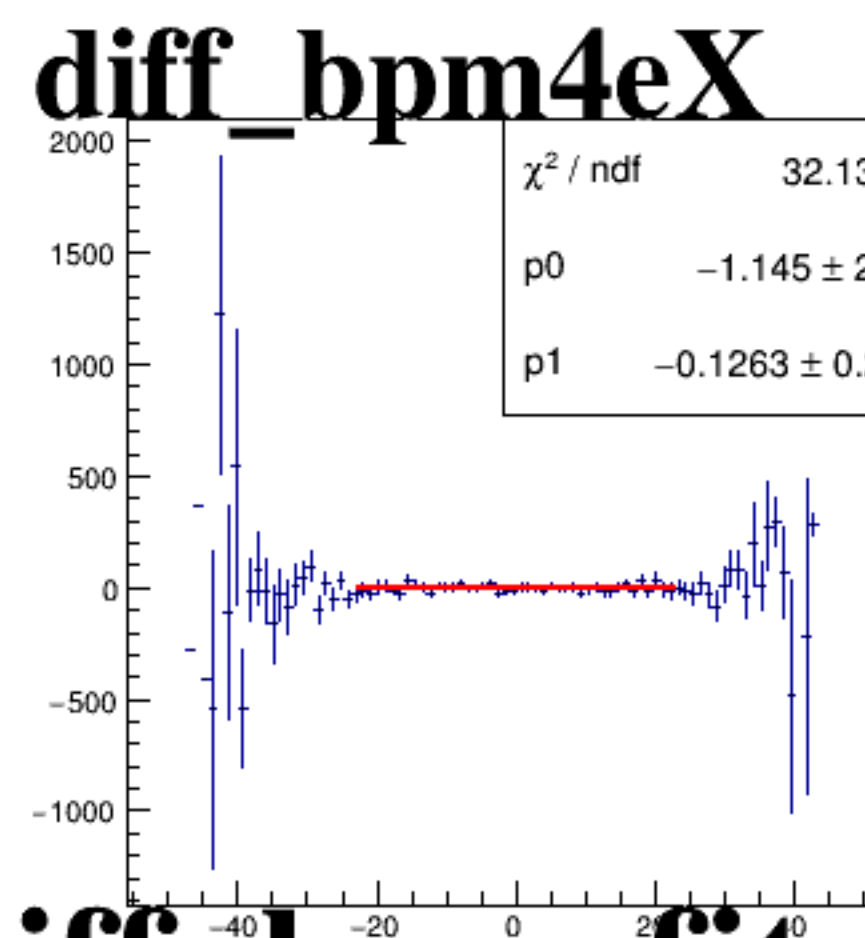
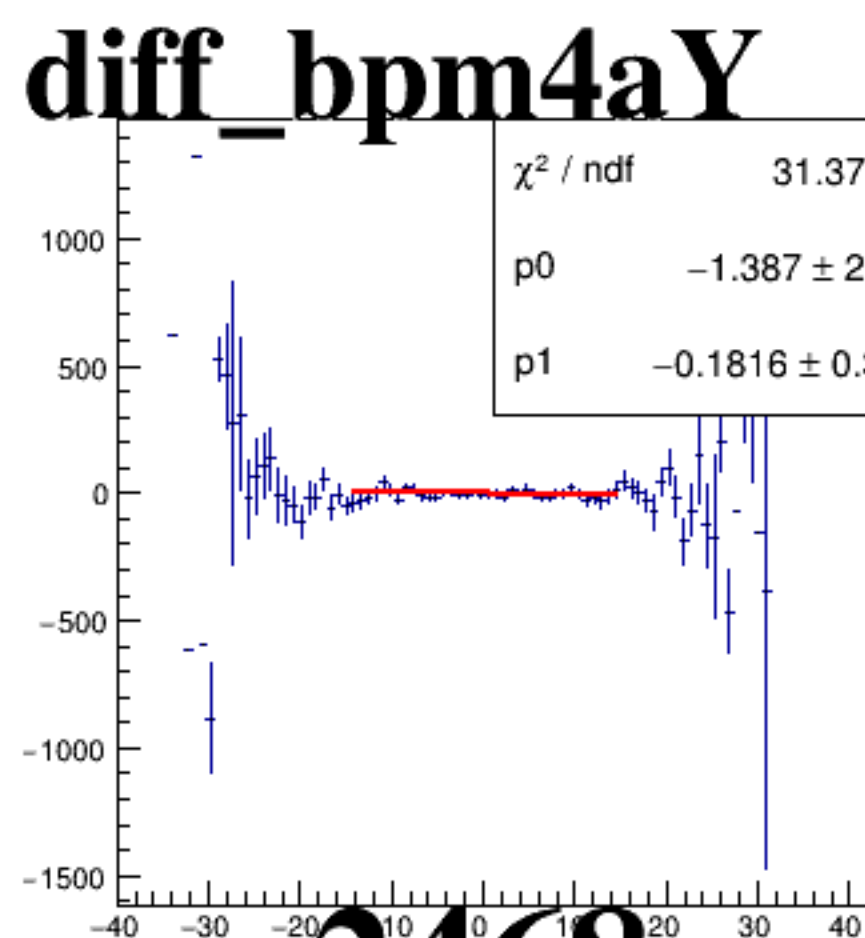
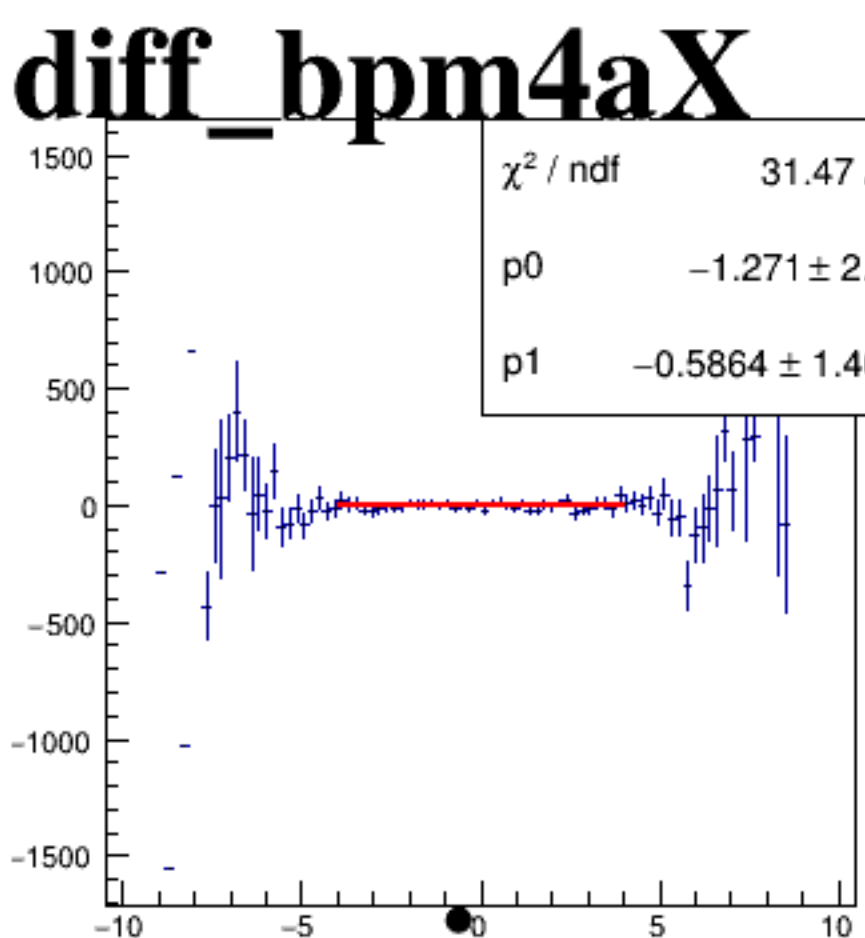
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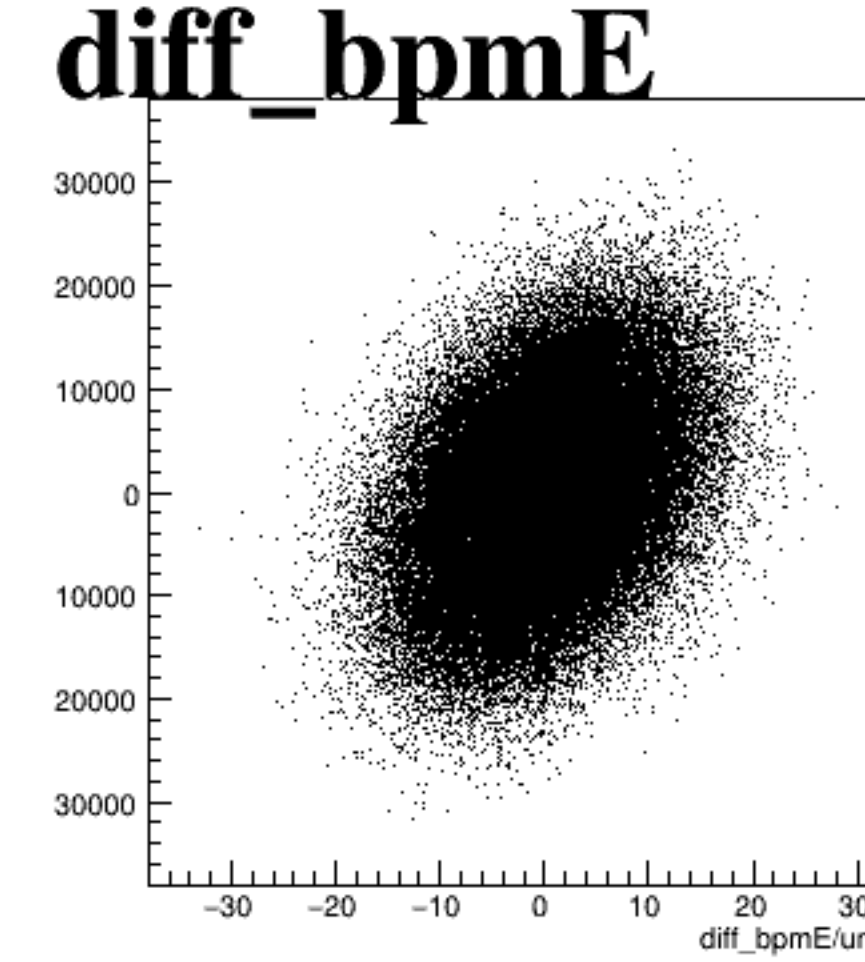
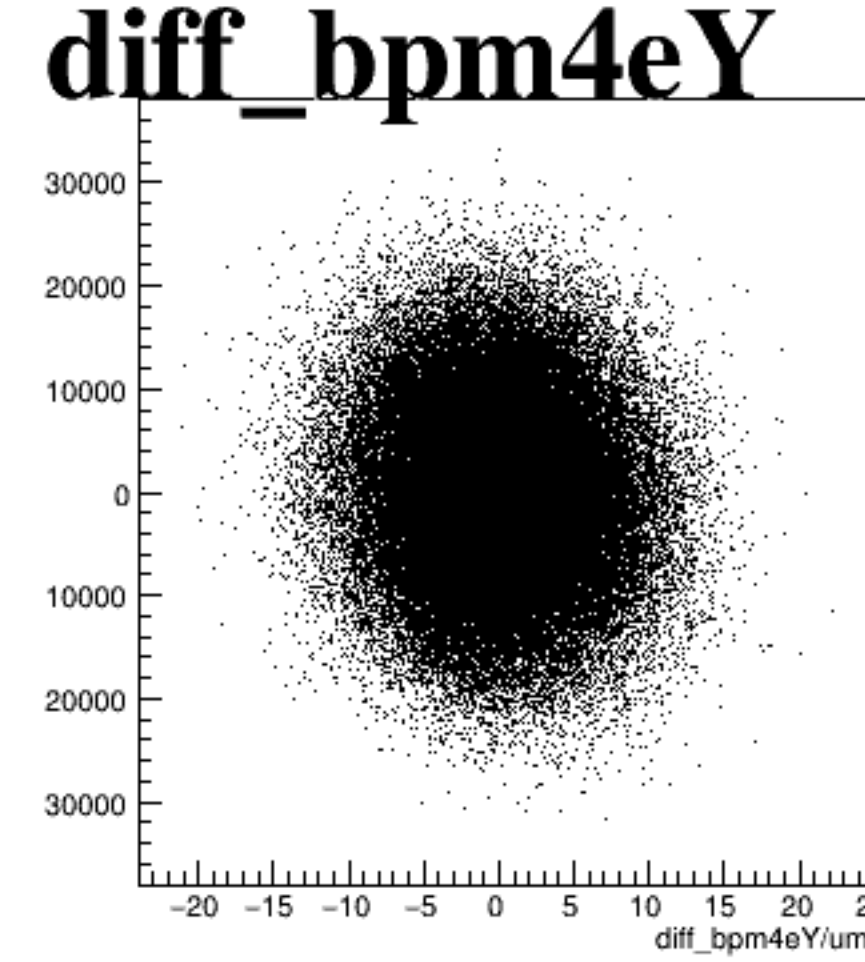
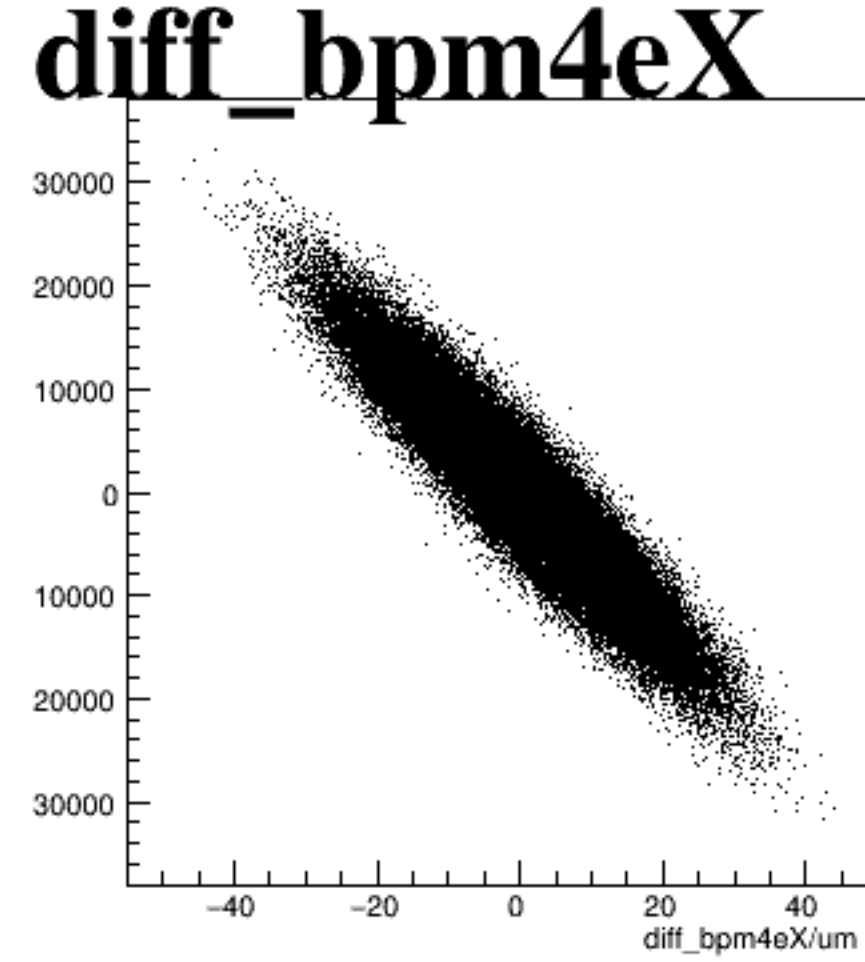
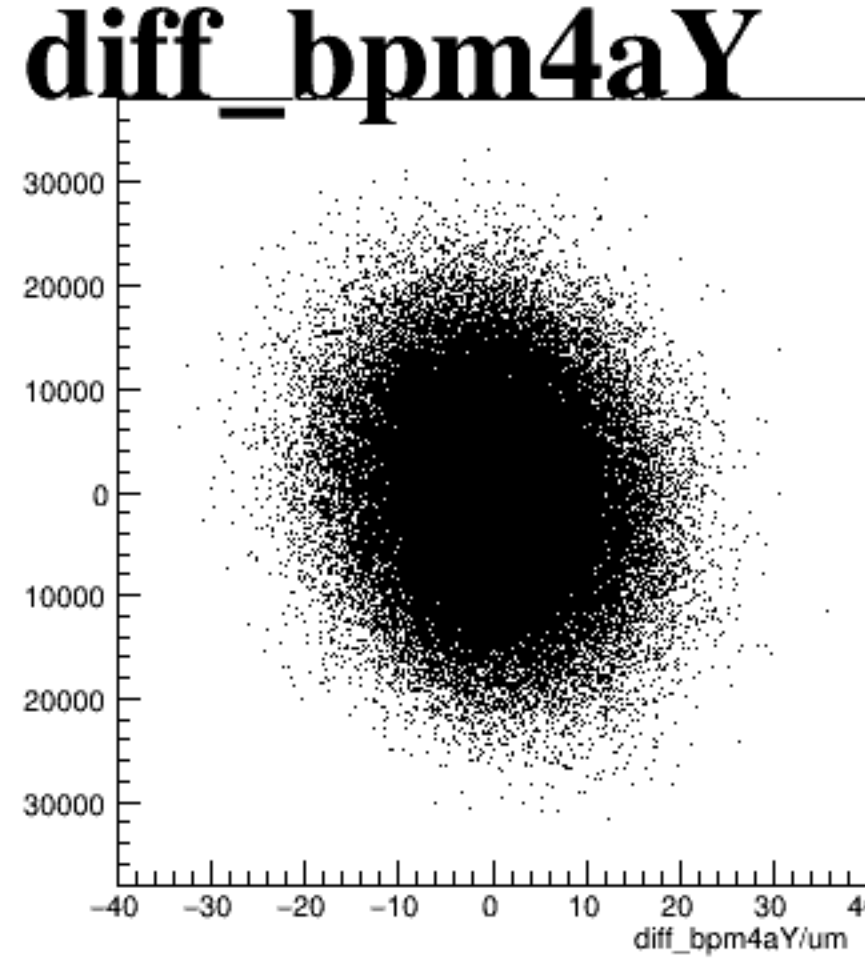
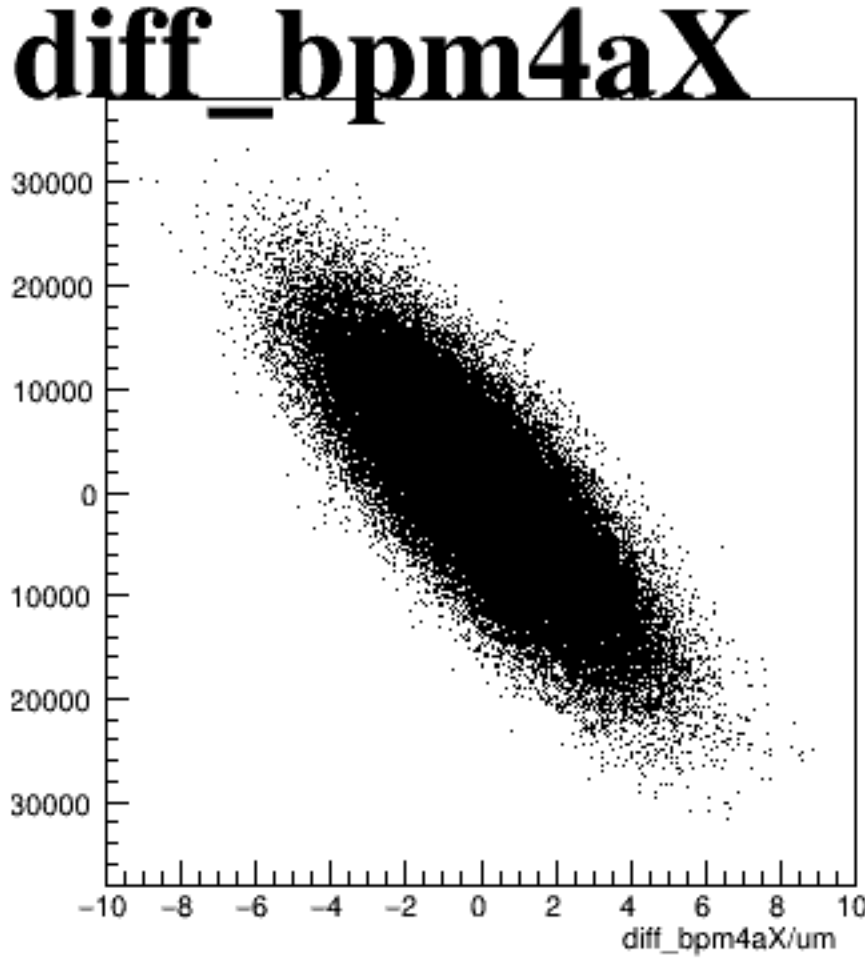
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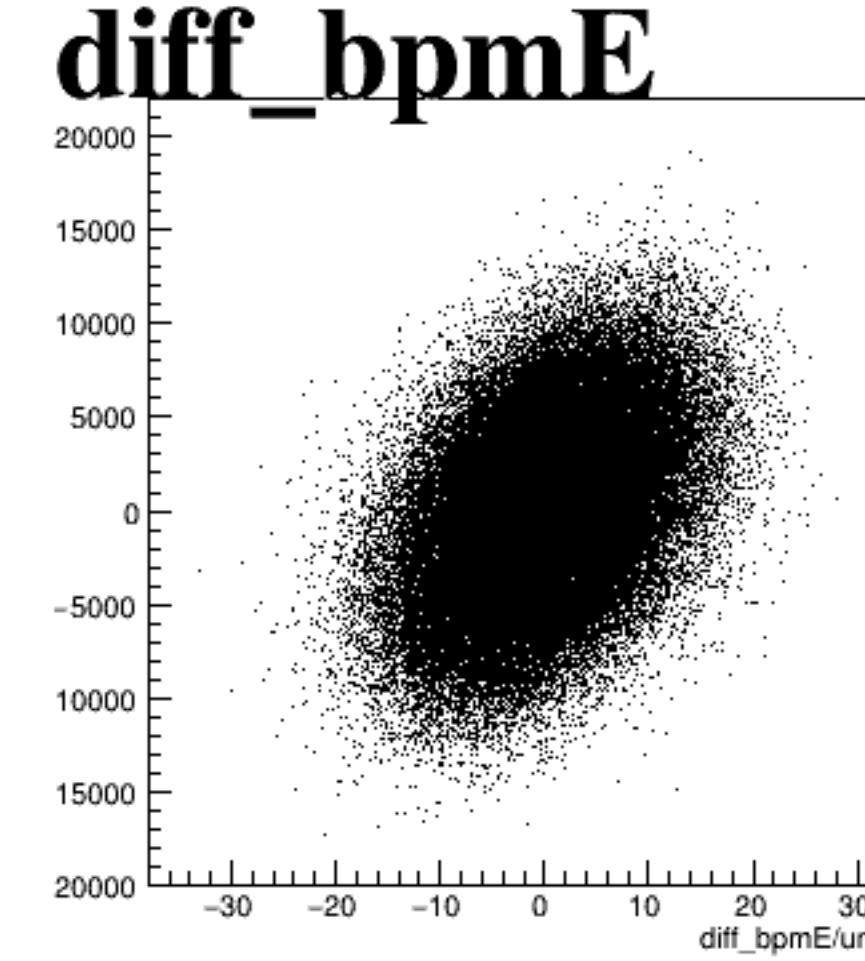
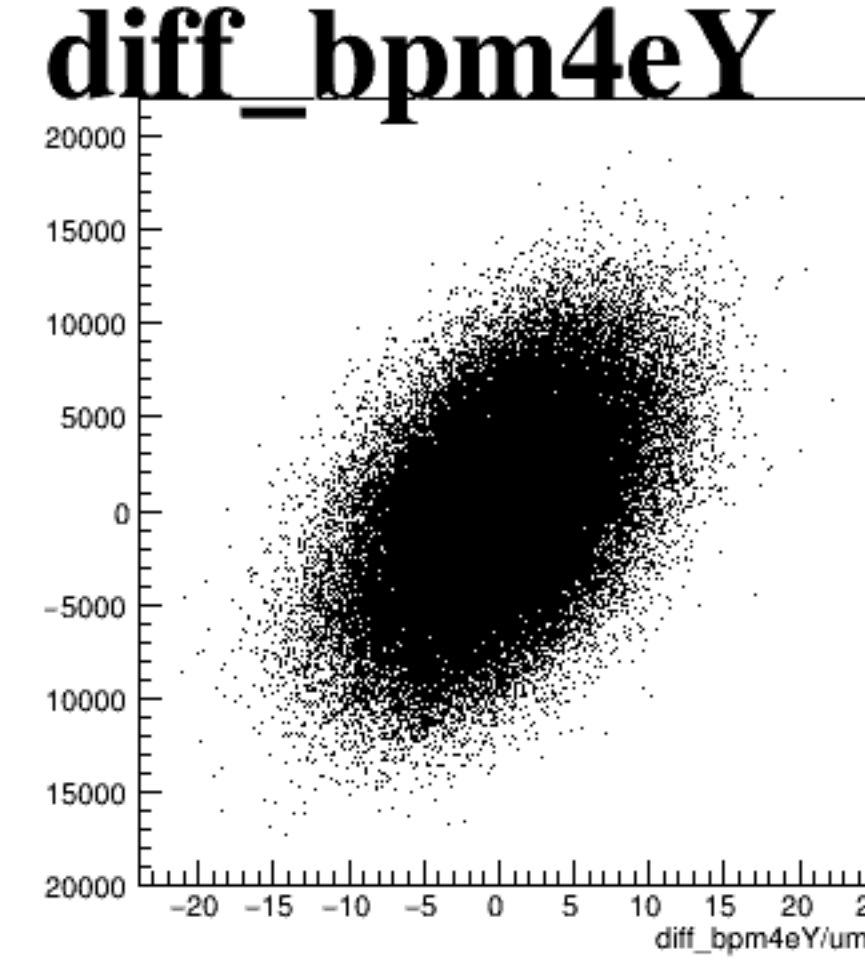
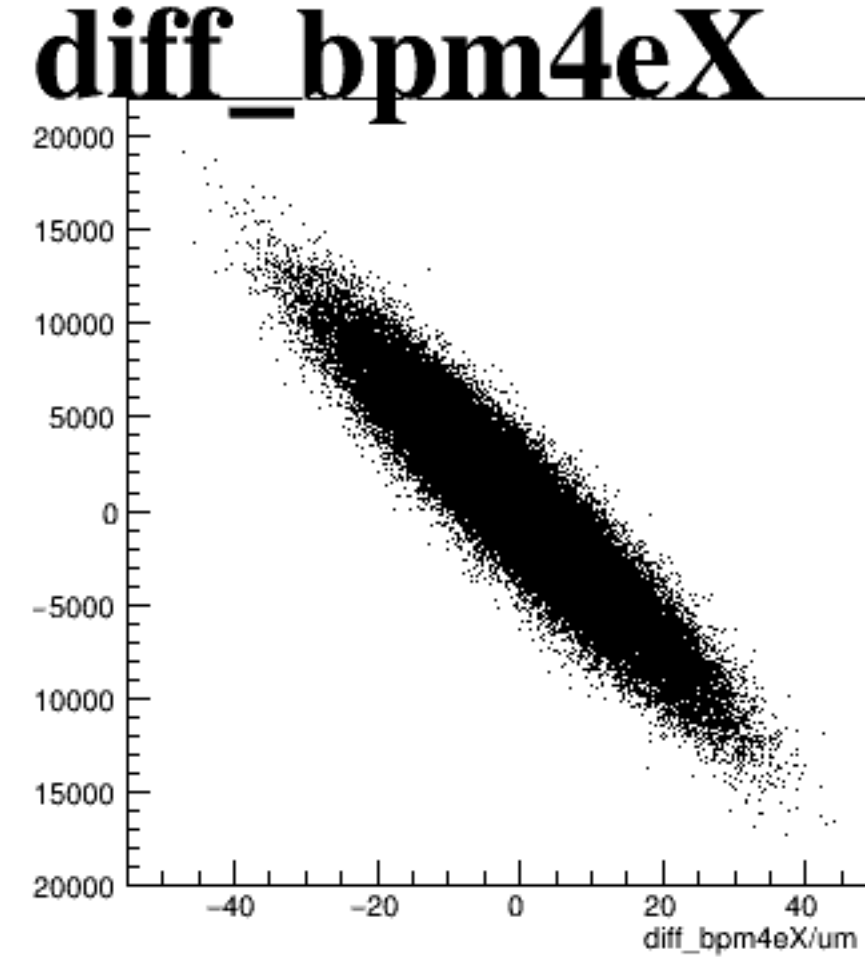
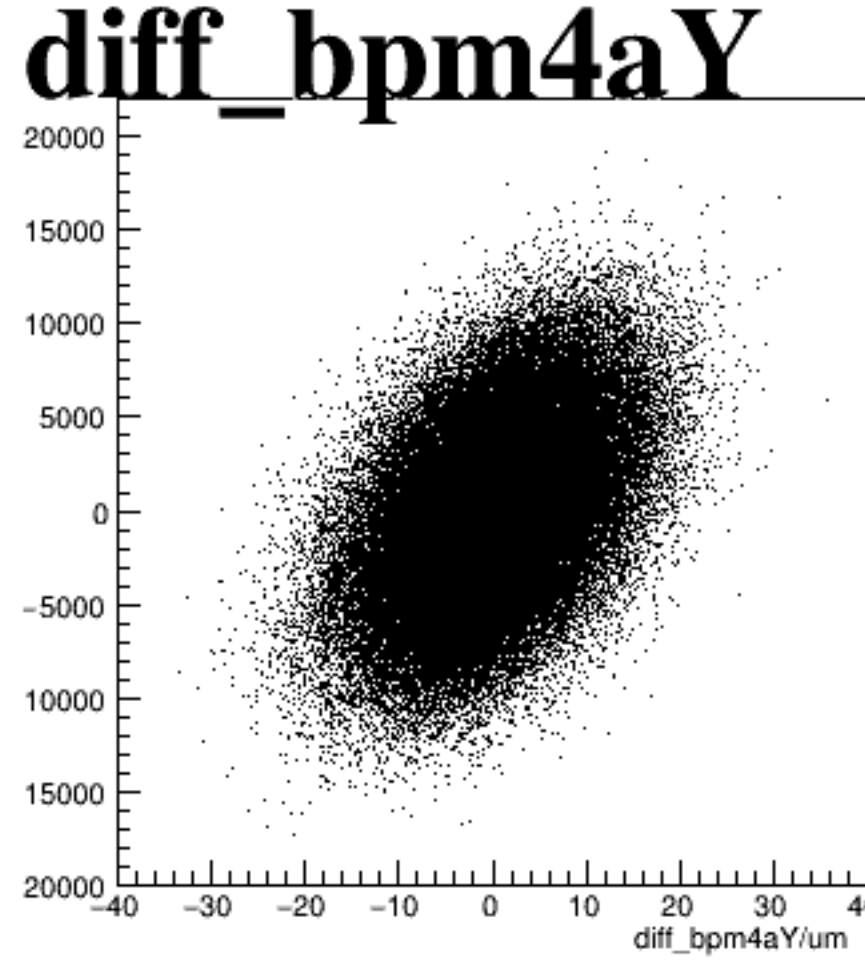
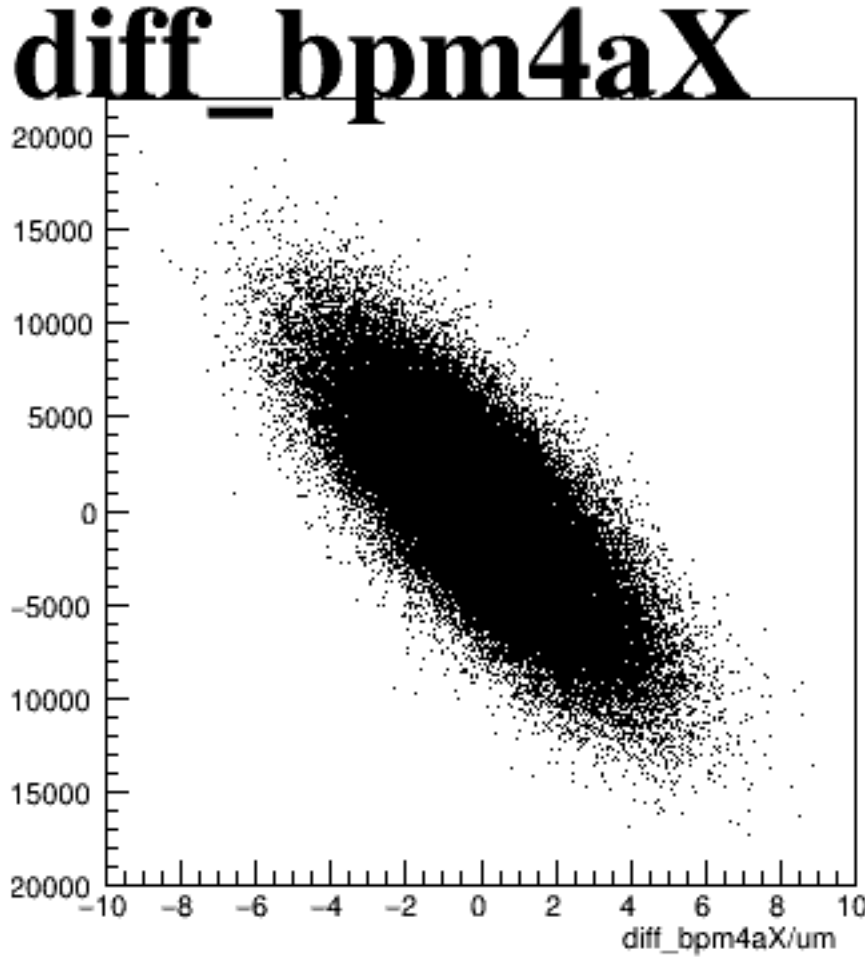
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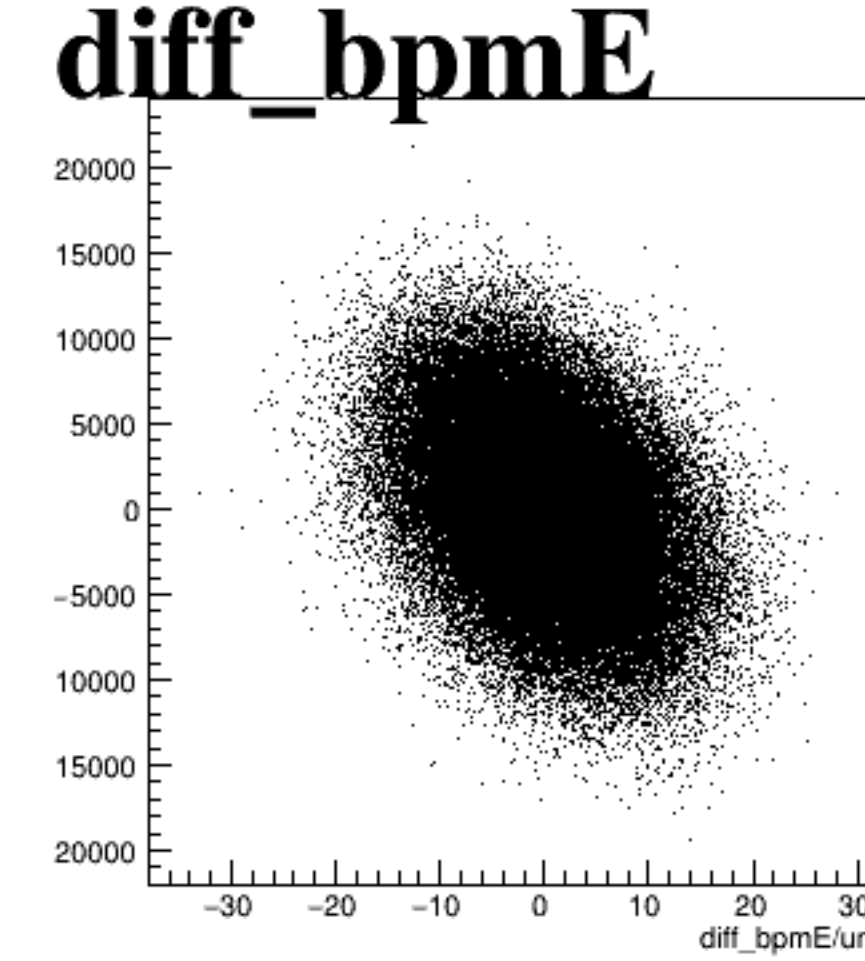
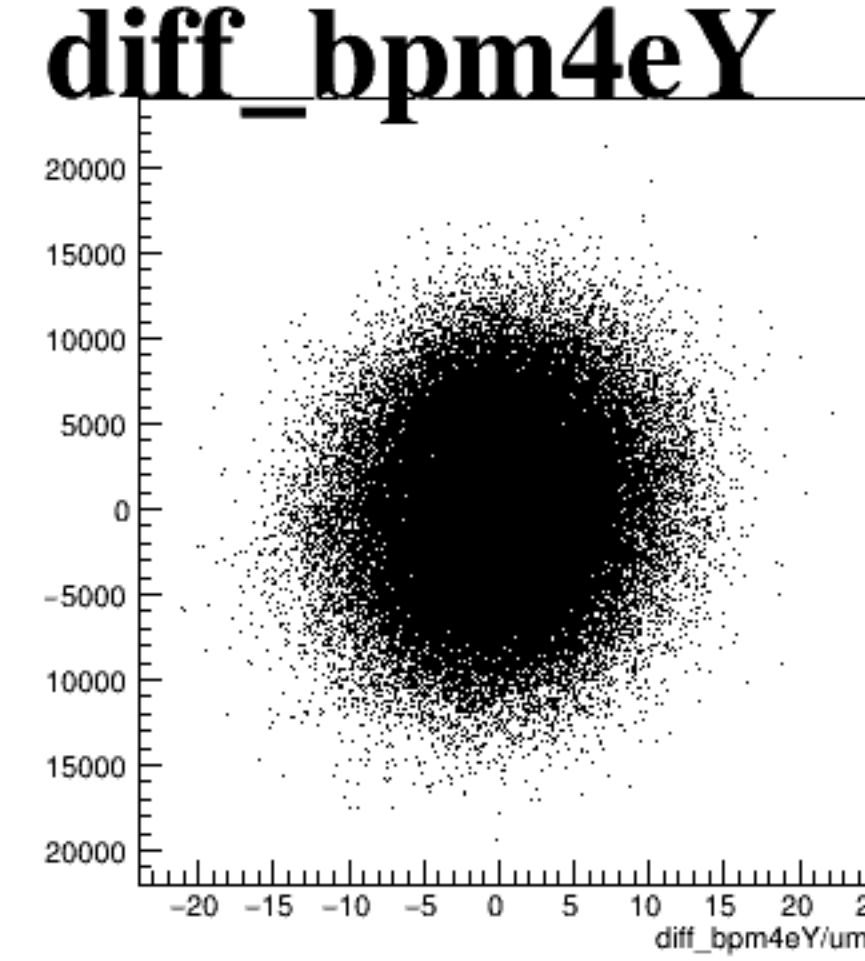
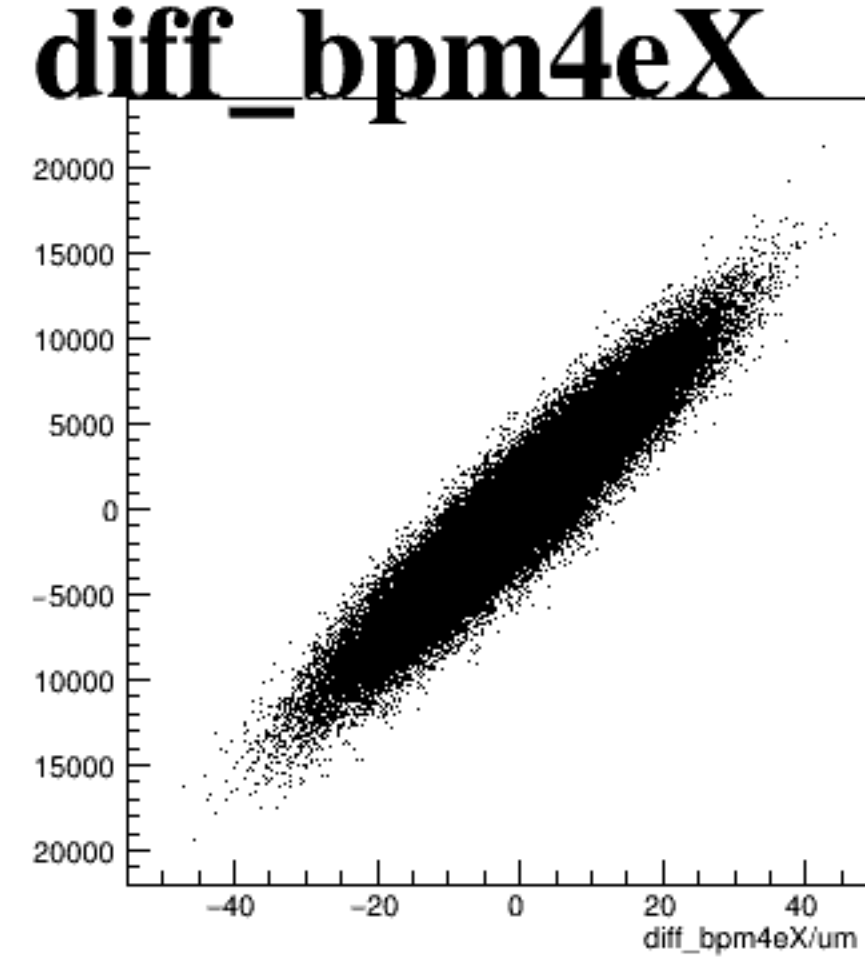
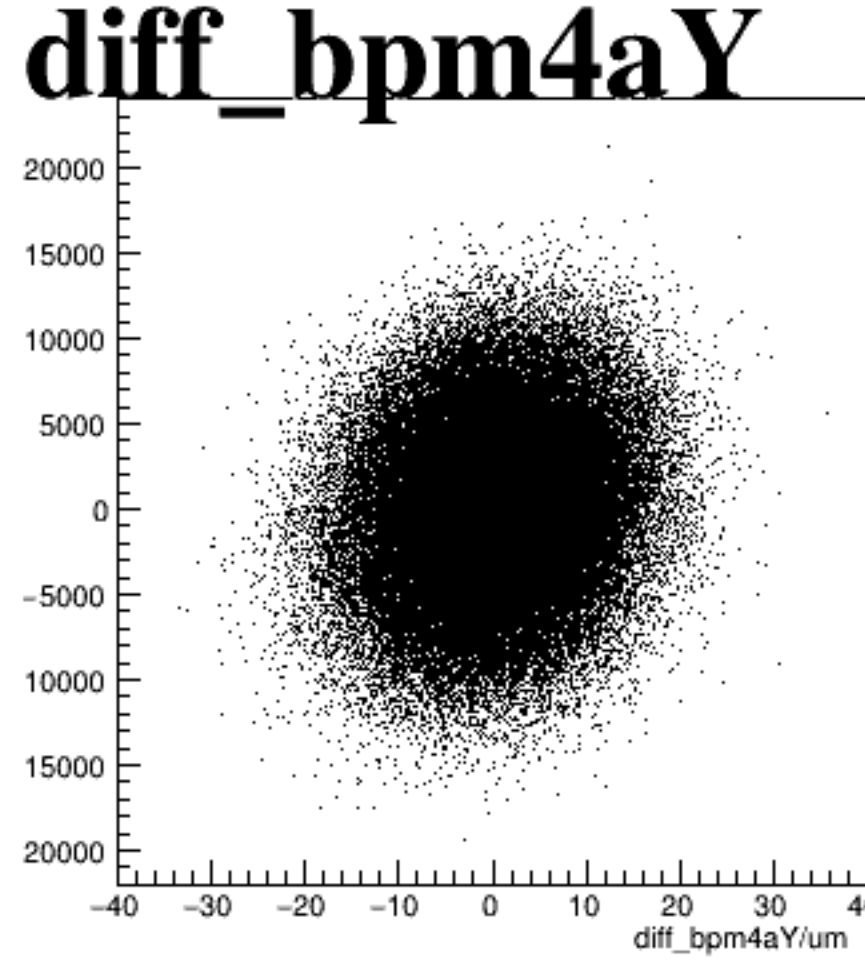
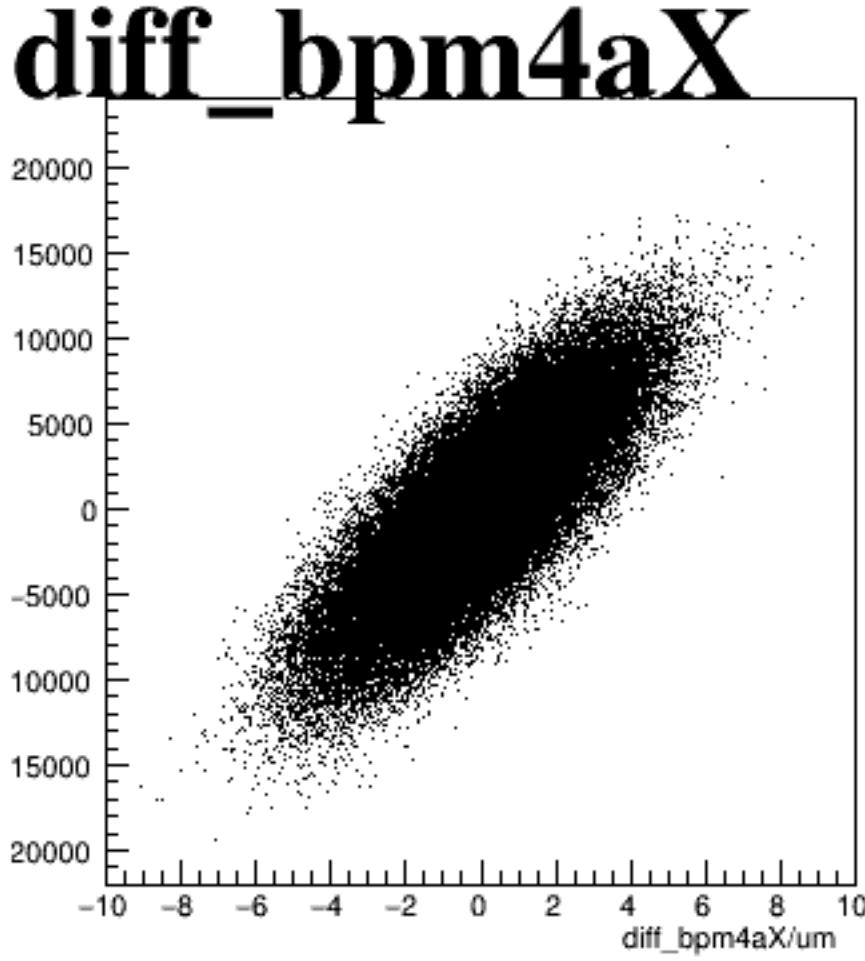
asym_sam2



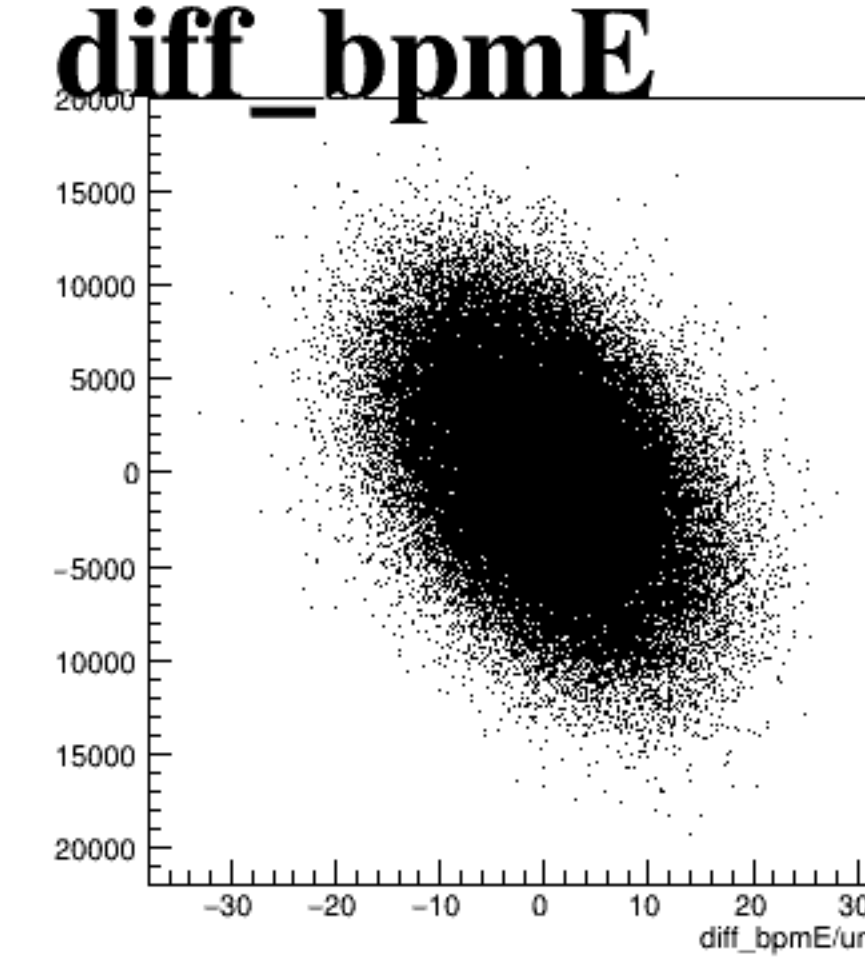
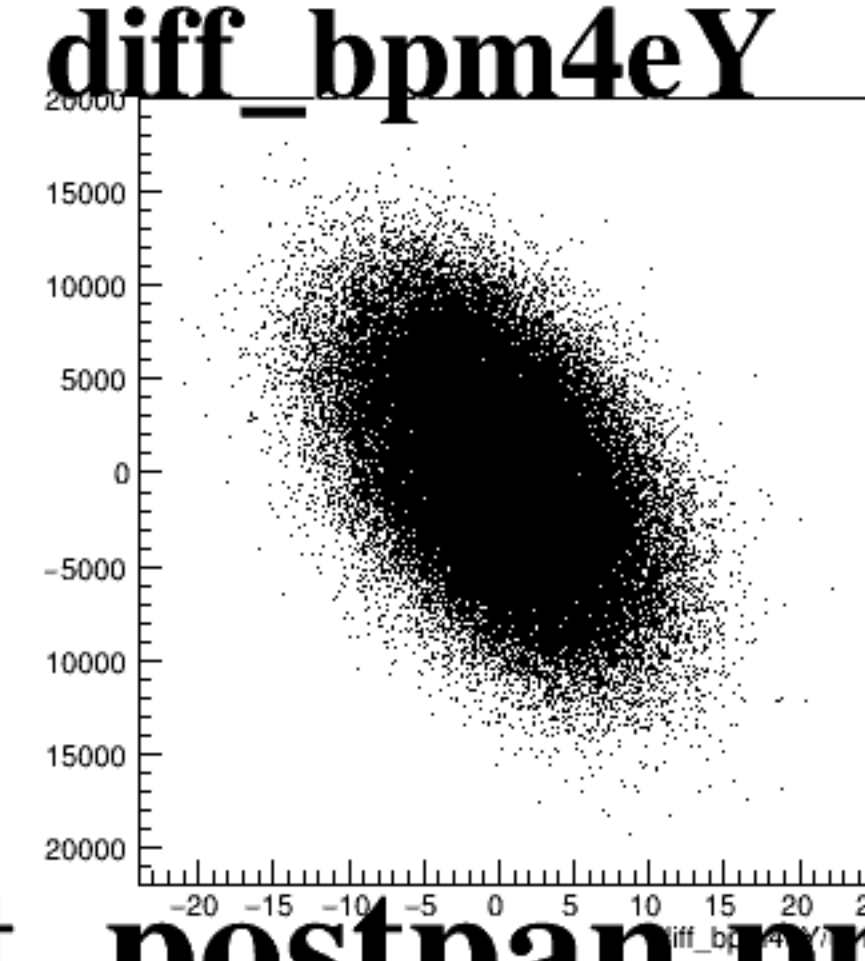
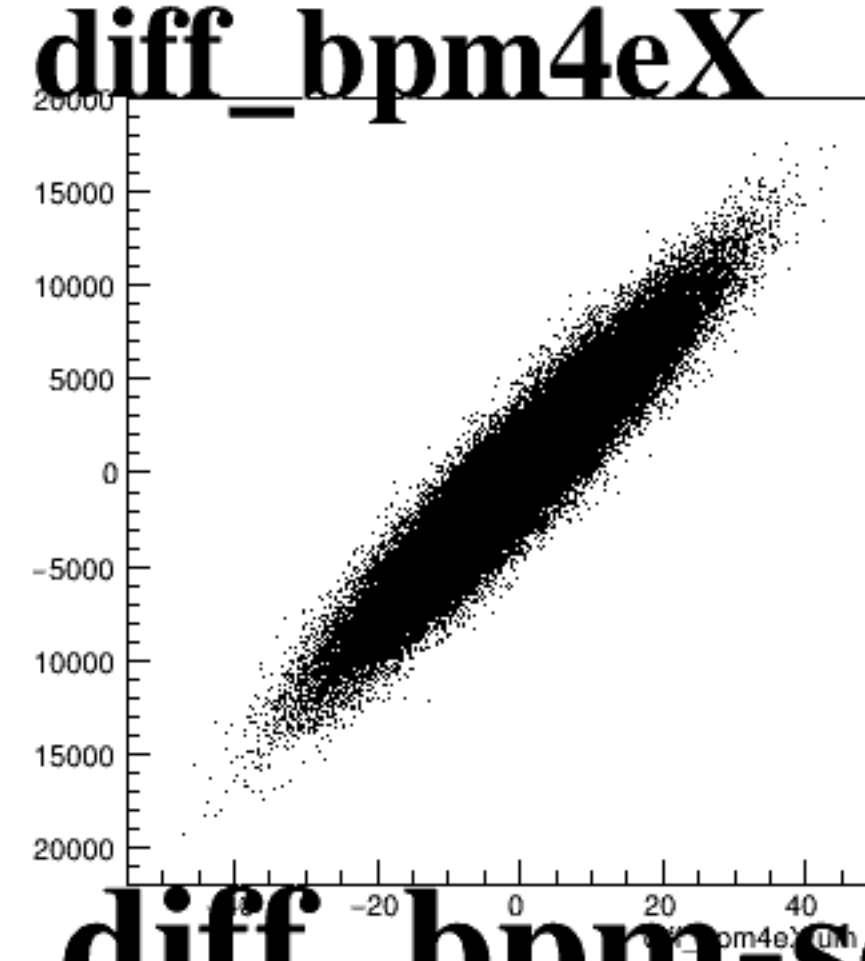
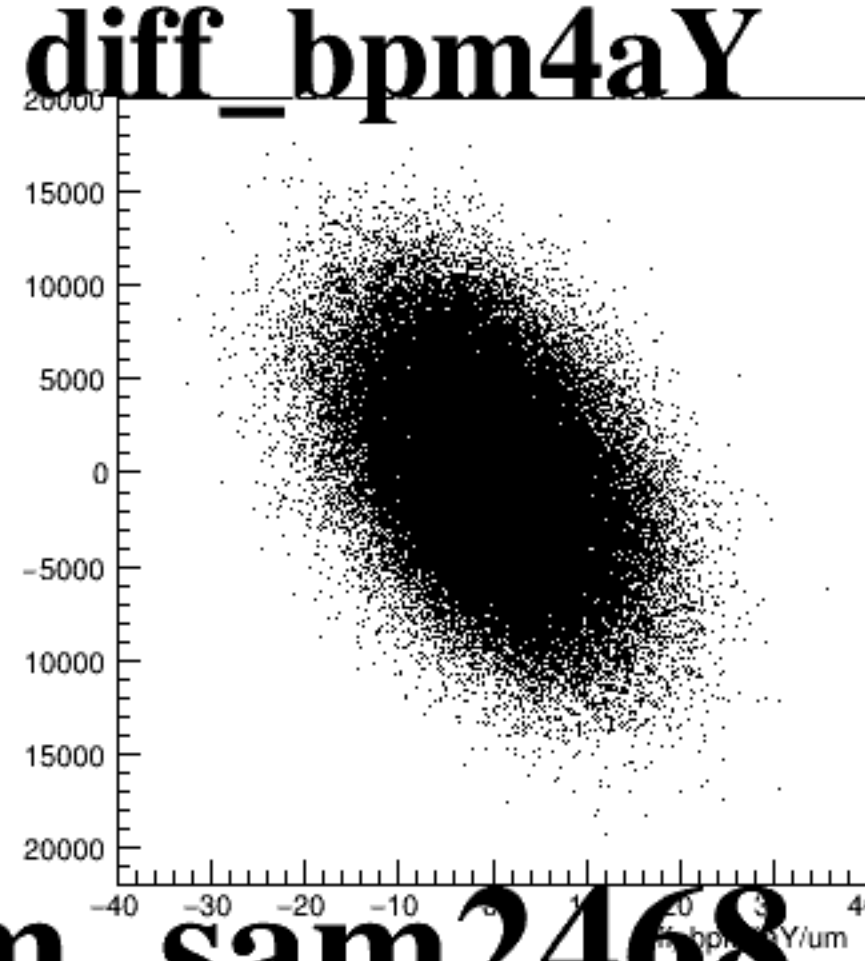
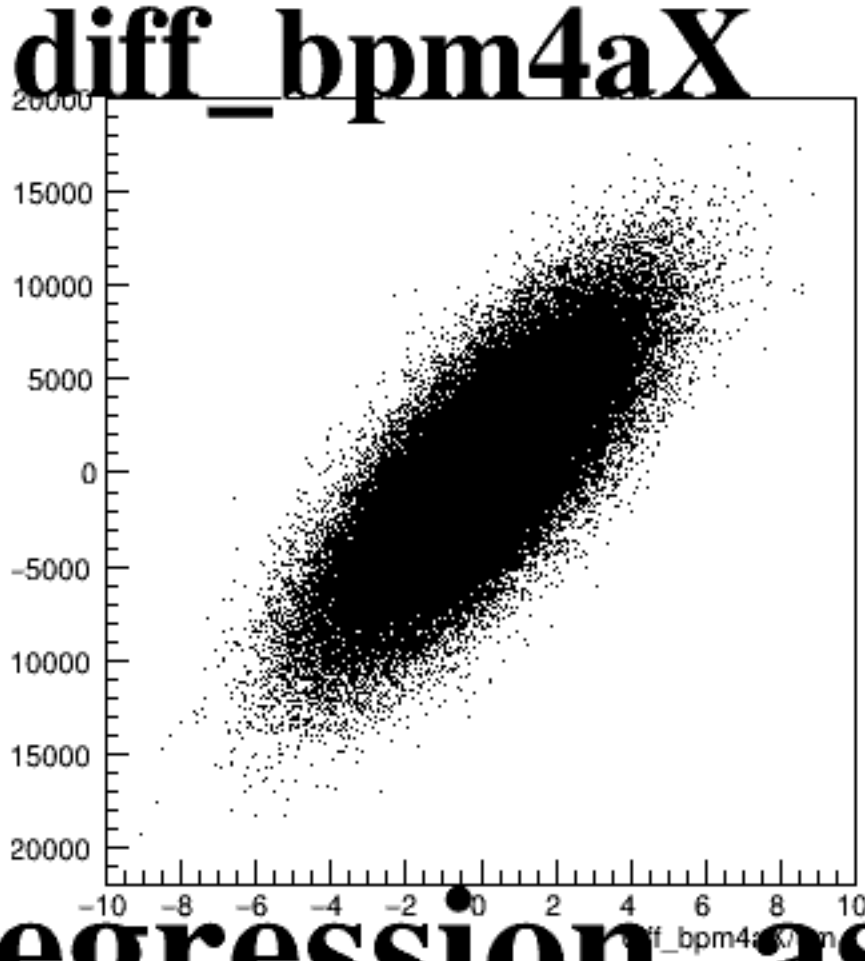
asym_sam4



asym_sam6



asym_sam8



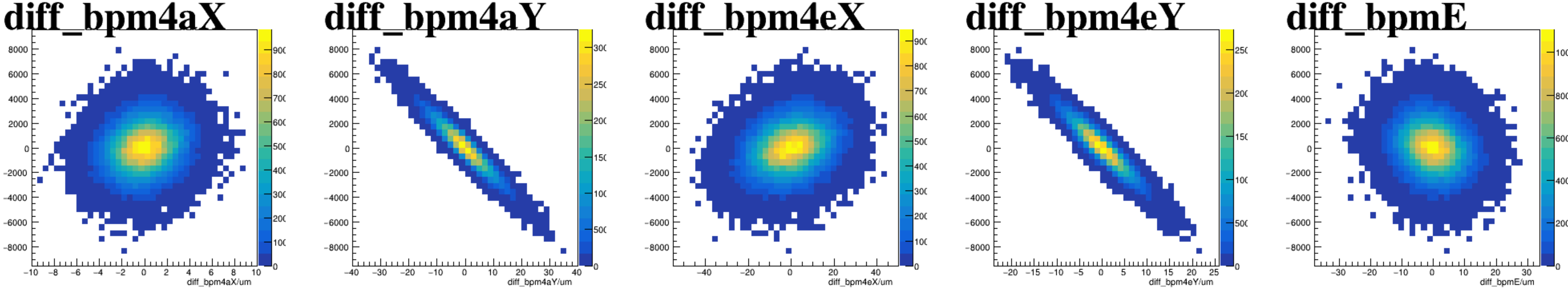
The figure displays five scatter plots, each representing the distribution of difference coordinates for a specific BPM. The plots are arranged horizontally and labeled as follows:

- diff_bpm4aX**: The x-axis ranges from -10 to 10, and the y-axis ranges from -4000 to 4000.
- diff_bpm4aY**: The x-axis ranges from -40 to 40, and the y-axis ranges from -4000 to 4000.
- diff_bpm4eX**: The x-axis ranges from -40 to 40, and the y-axis ranges from -4000 to 4000.
- diff_bpm4eY**: The x-axis ranges from -20 to 25, and the y-axis ranges from -4000 to 4000.
- diff_bpmE**: The x-axis ranges from -30 to 30, and the y-axis ranges from -4000 to 4000.

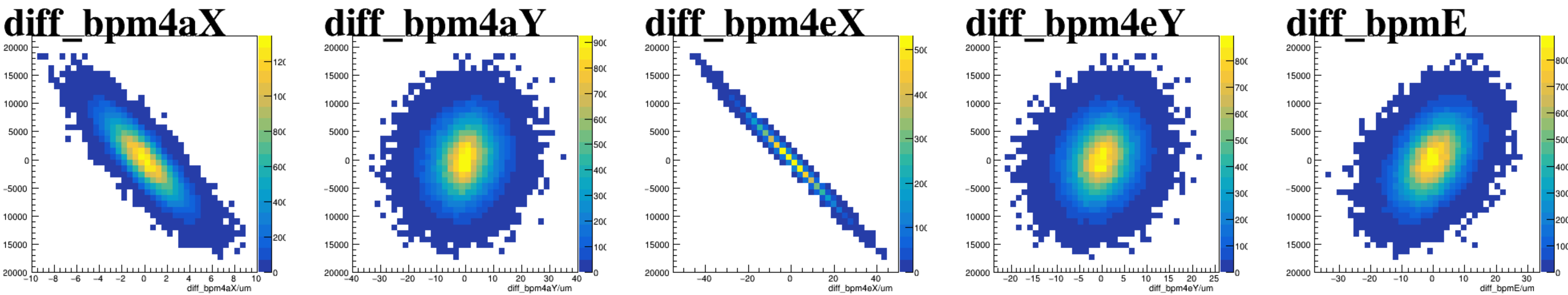
All plots show a dense, roughly circular cloud of points centered at (0,0), indicating a Gaussian-like distribution of the difference coordinates. The axes are labeled with the difference coordinate and a unit 'um'.

The figure consists of five scatter plots arranged horizontally, each showing the distribution of a different diffraction order. The plots are titled 'diff_bpm4aX', 'diff_bpm4aY', 'diff_bpm4eX', 'diff_bpm4eY', and 'diff_bpmE'. Each plot has a y-axis ranging from -3000 to 3000 and an x-axis ranging from -10 to 10, -40 to 40, -40 to 40, -20 to 25, and -30 to 30, respectively. The data points are densely packed in a circular pattern around the origin, suggesting a Gaussian-like distribution of the diffraction orders.

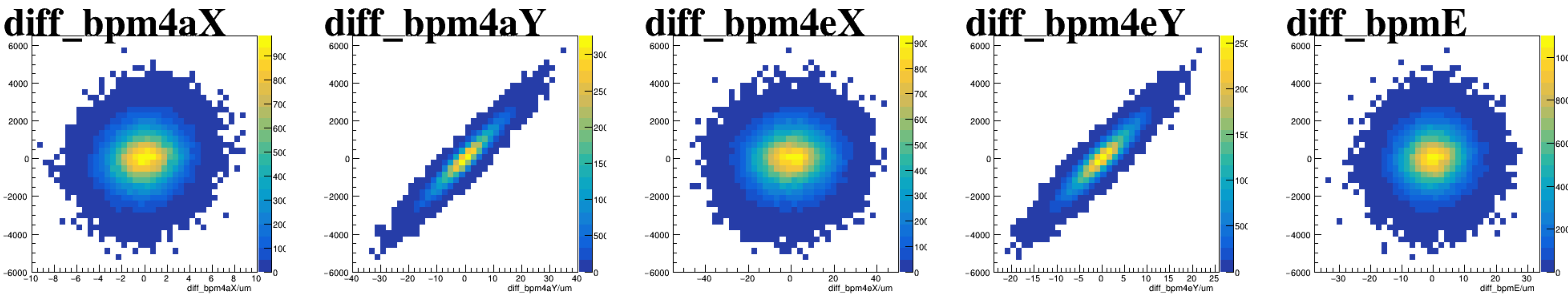
asym_sam1



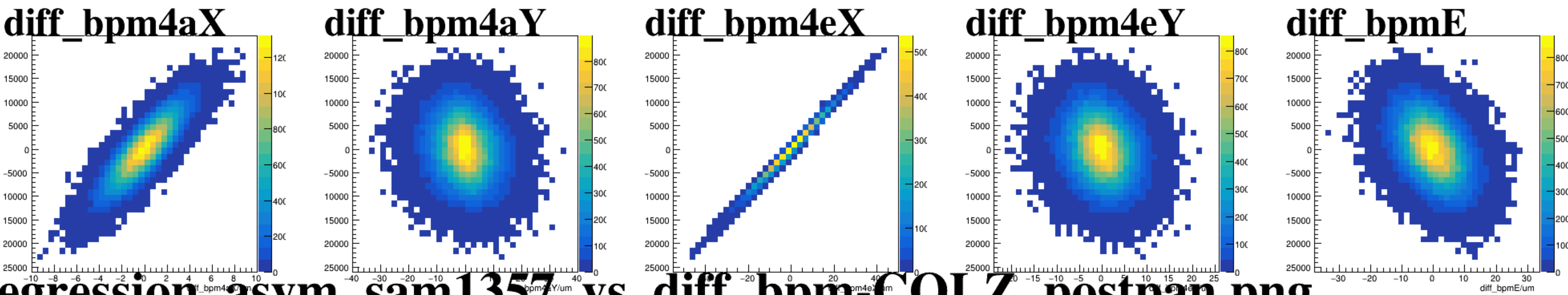
asym_sam3



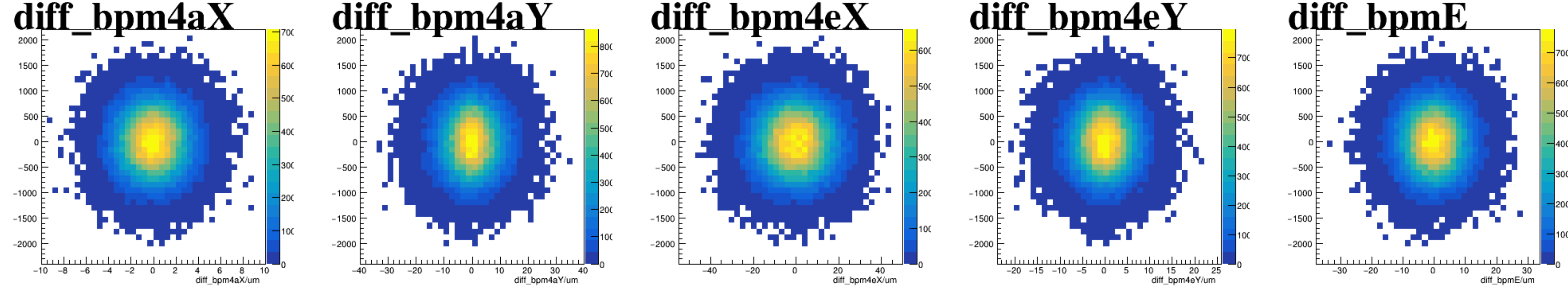
asym_sam5



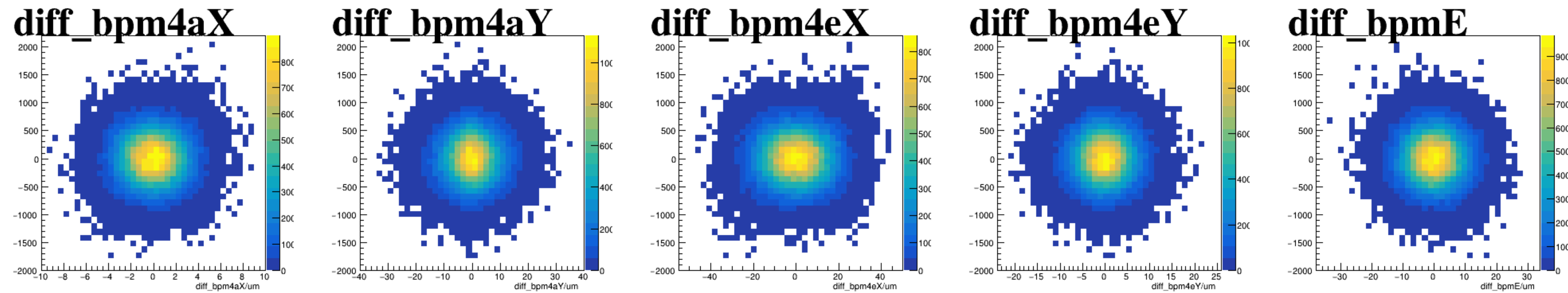
asym_sam7



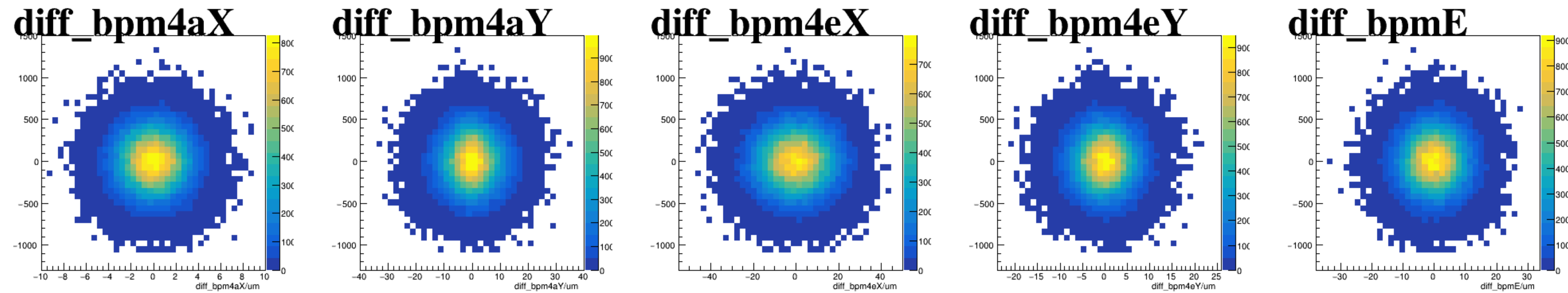
reg_asym_sam1



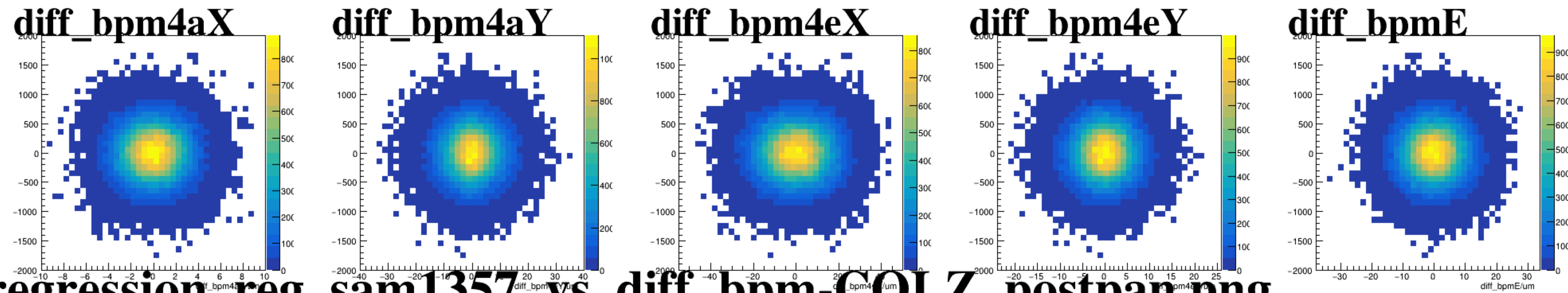
reg_asym_sam3



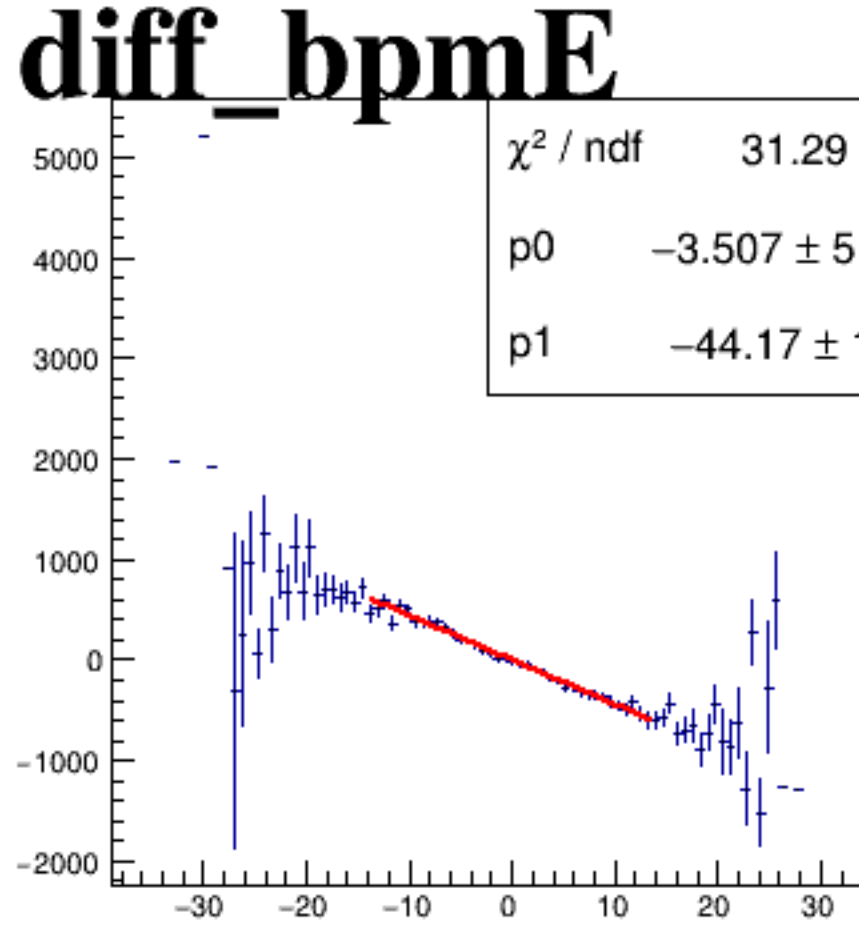
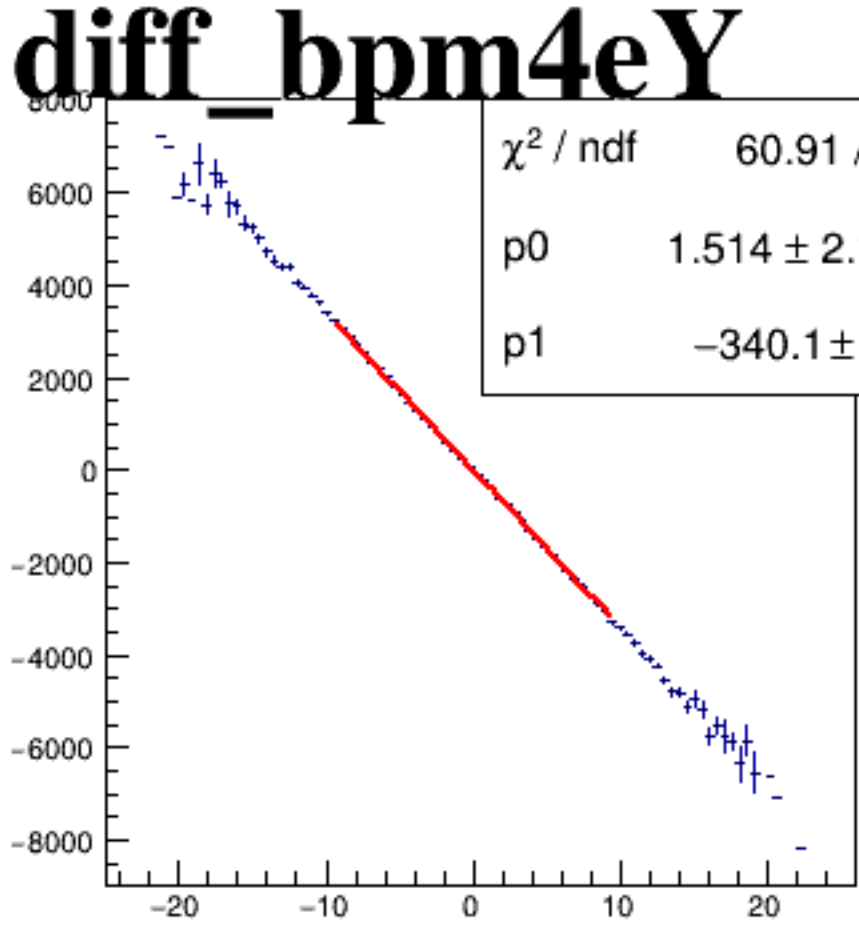
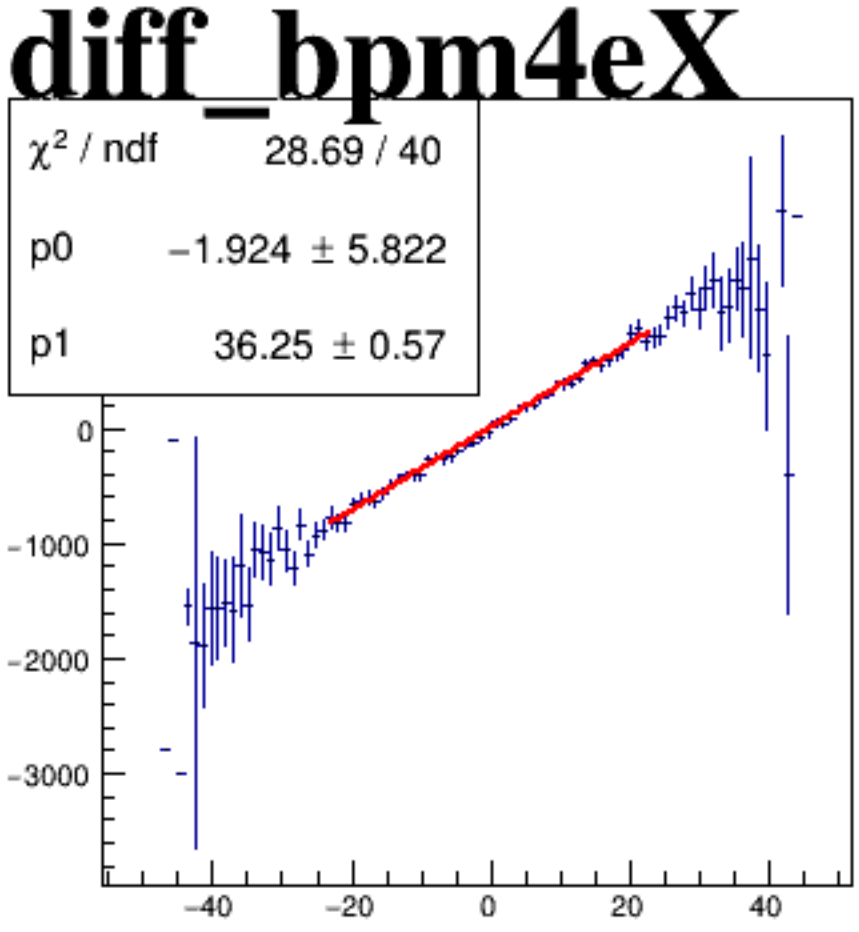
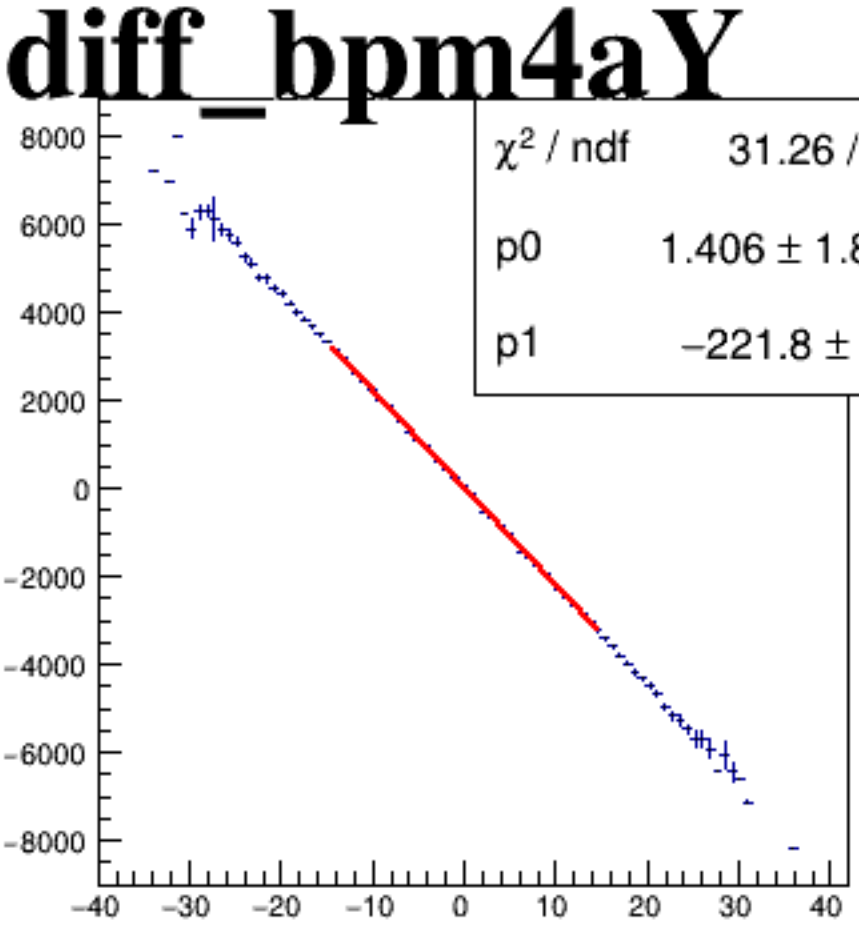
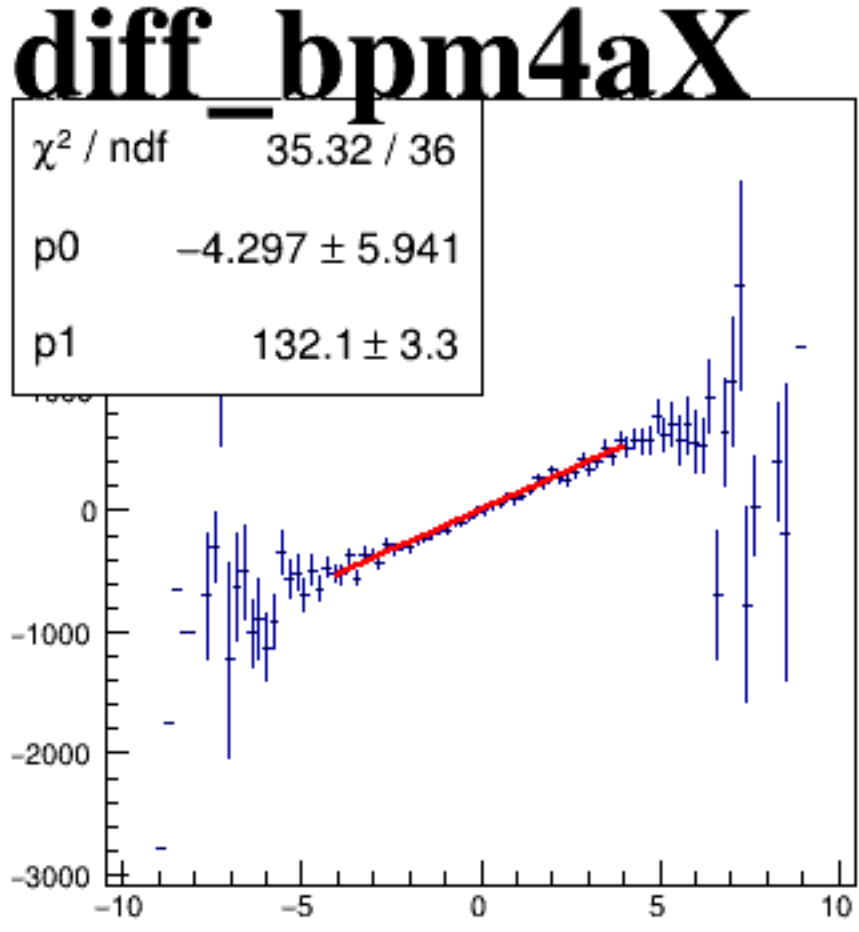
reg_asym_sam5



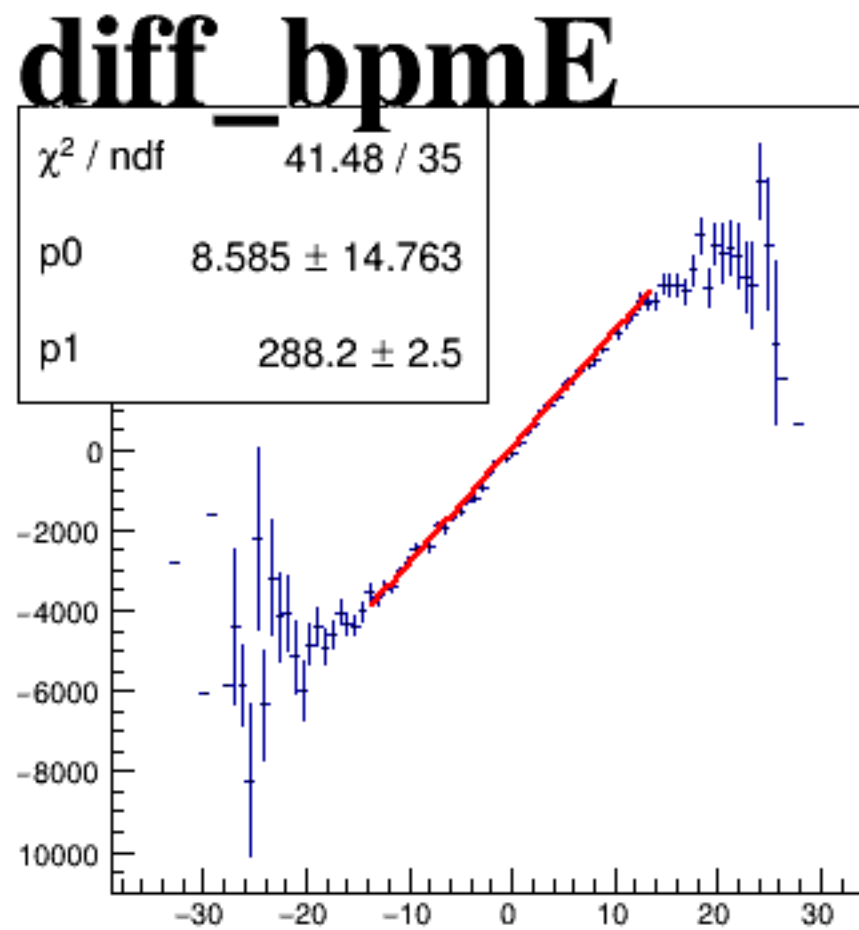
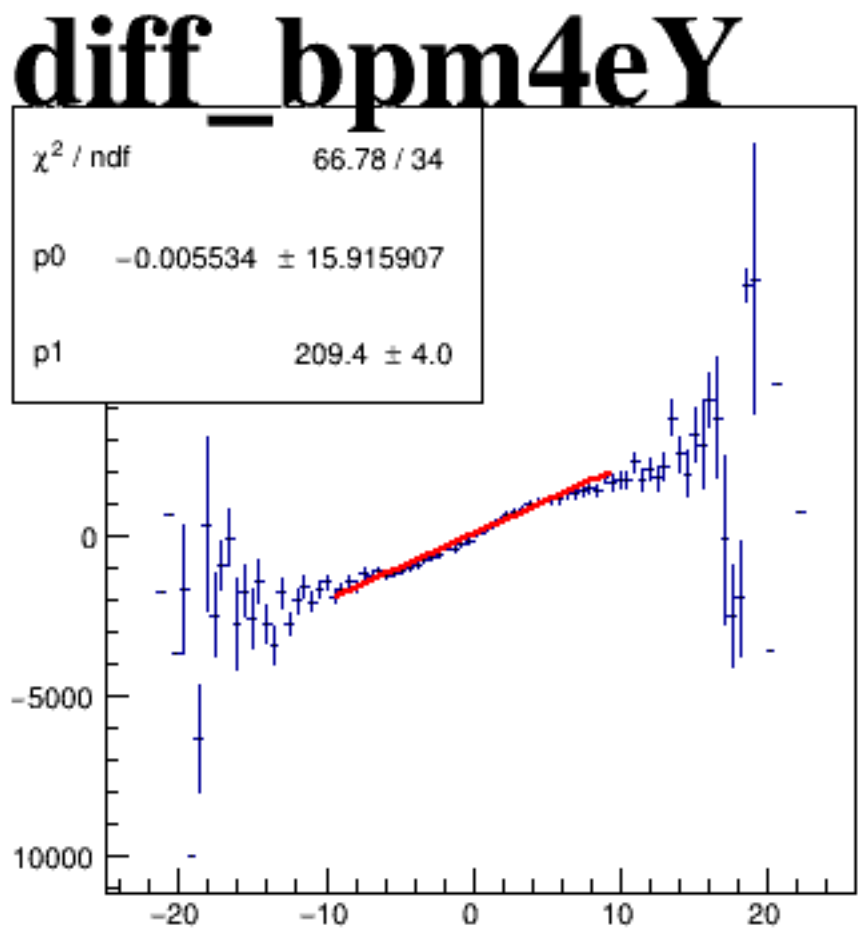
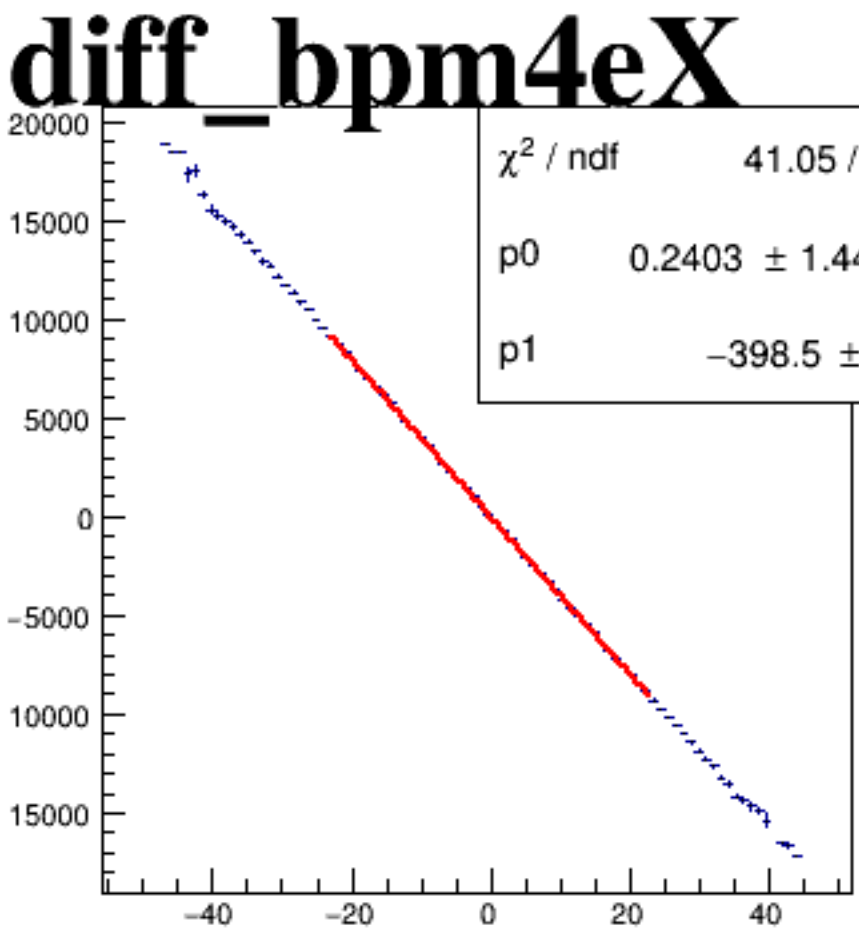
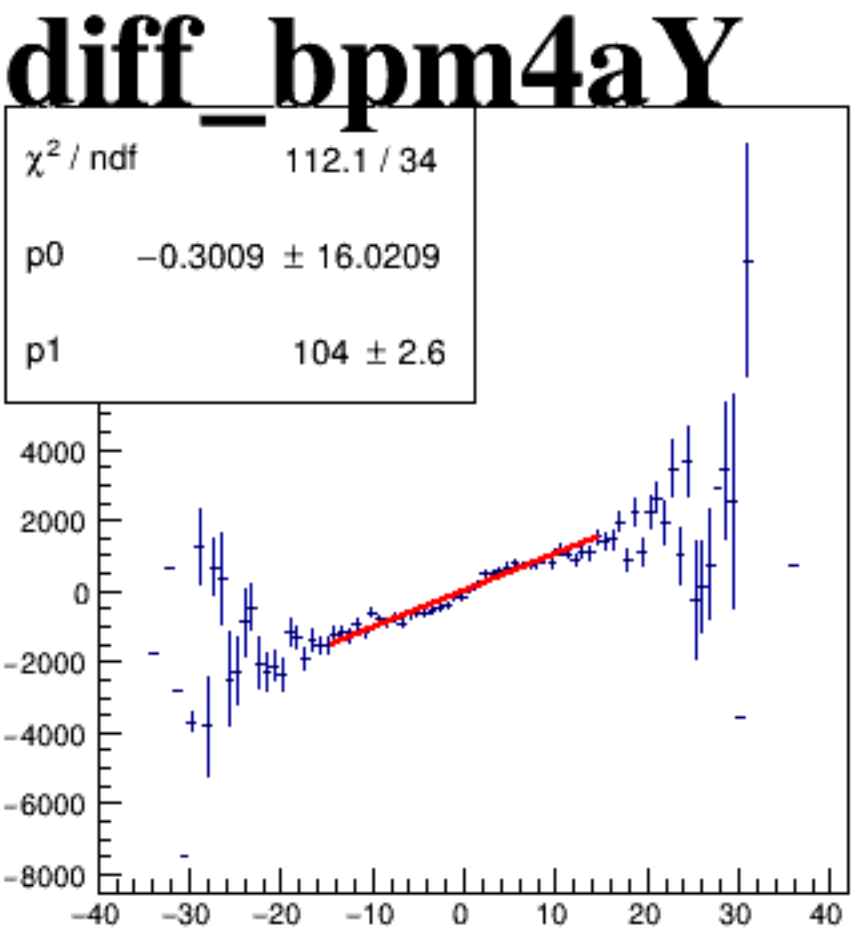
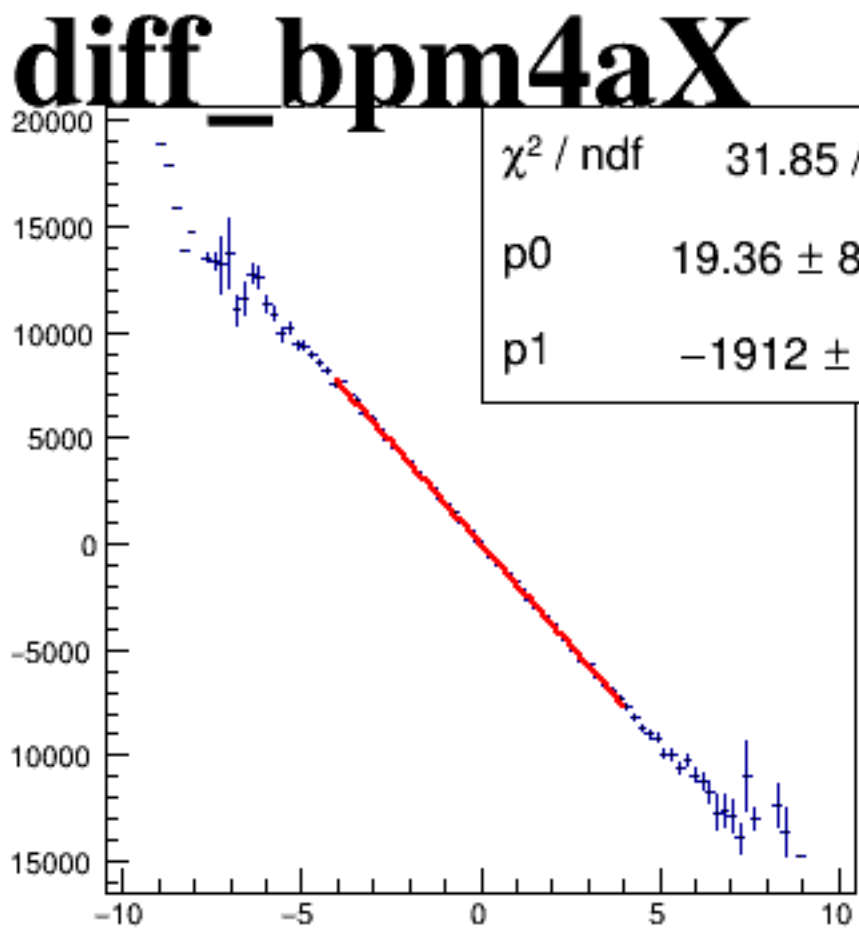
reg_asym_sam7



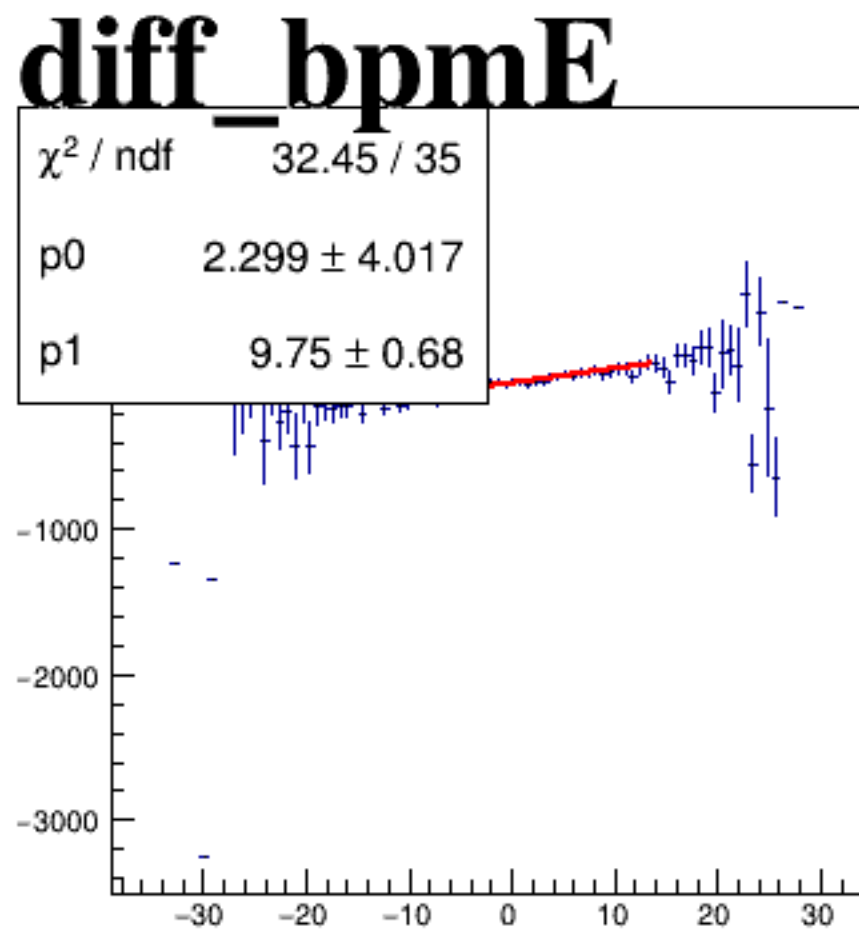
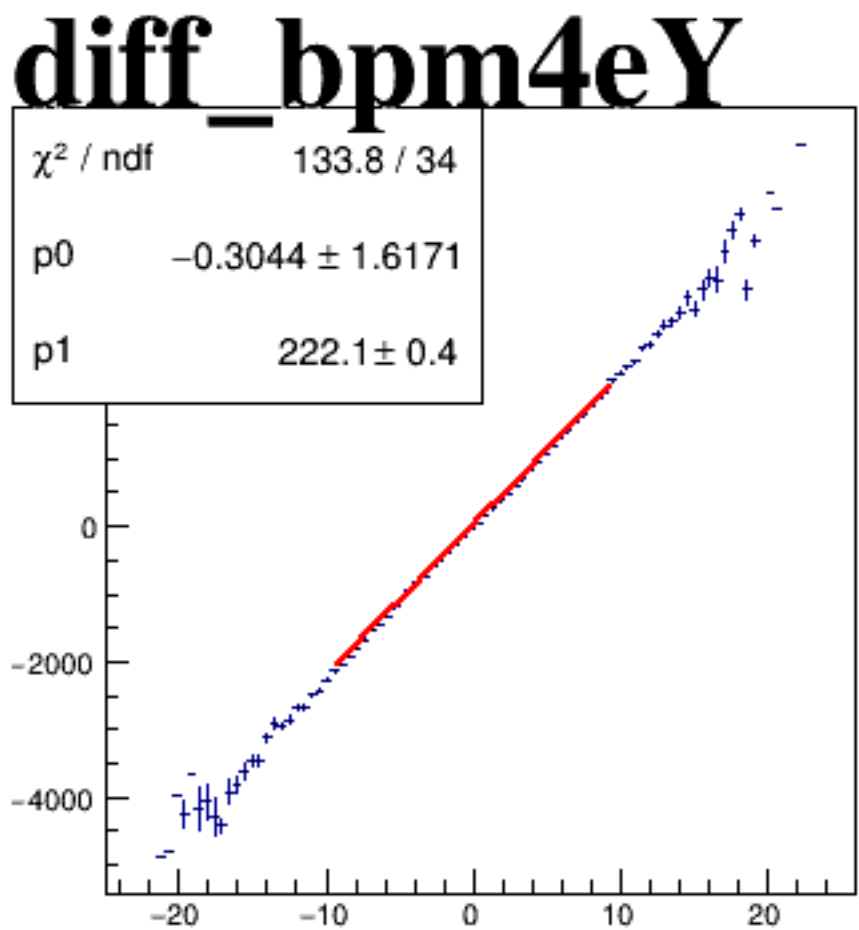
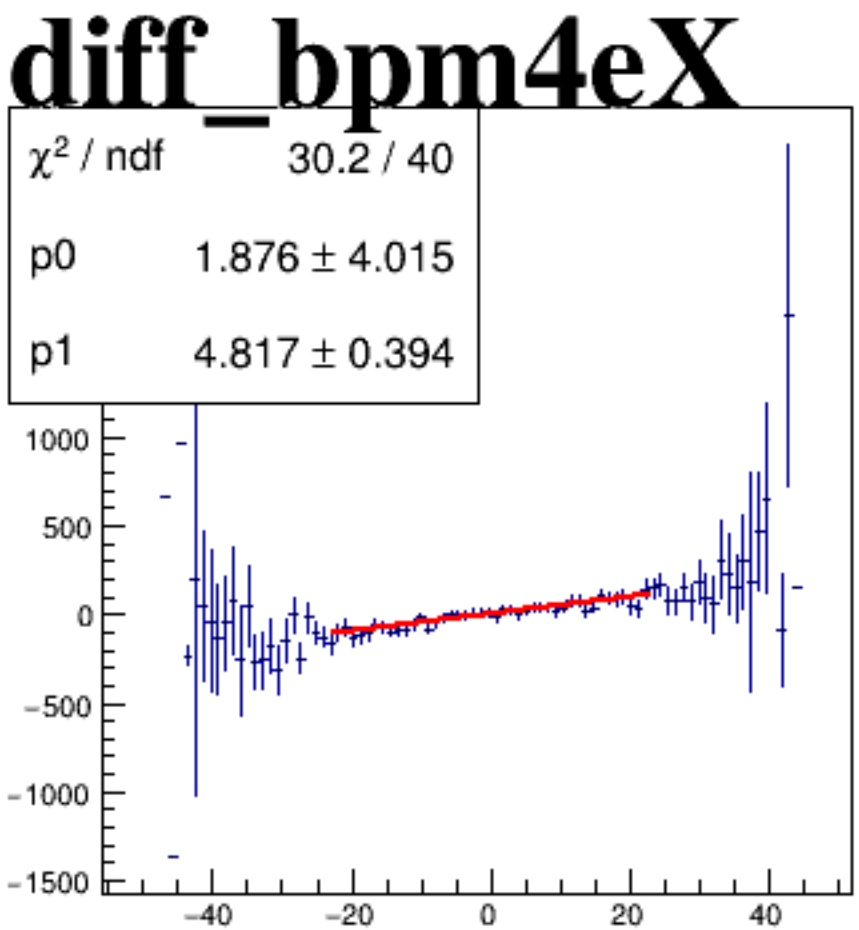
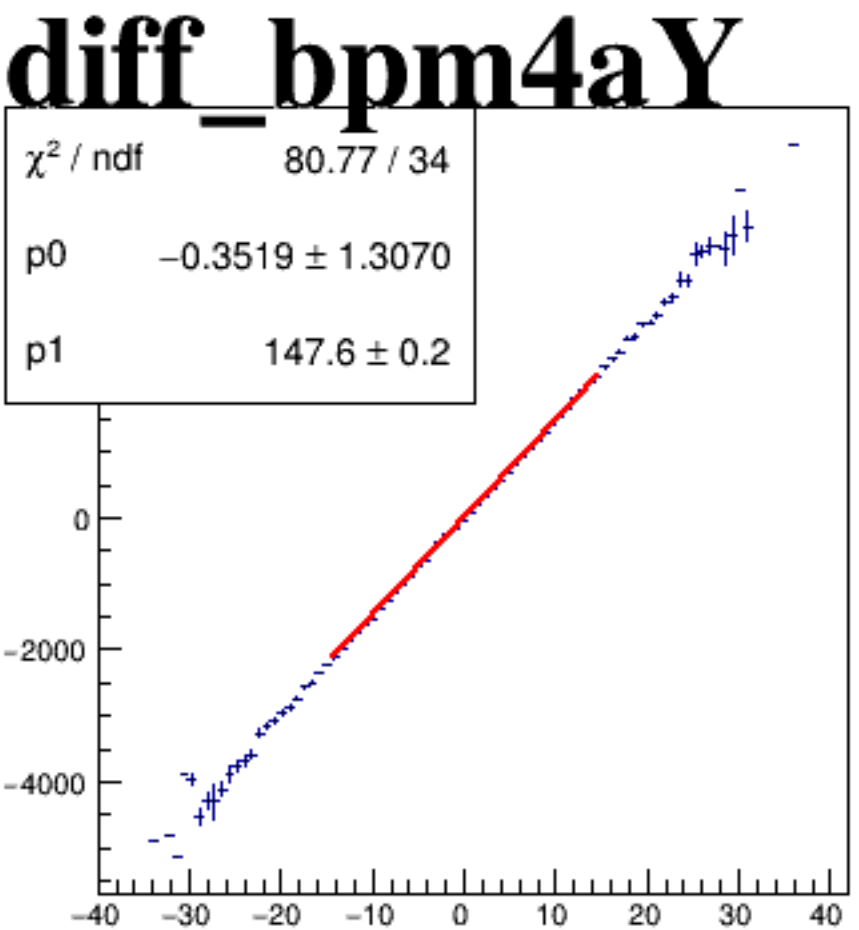
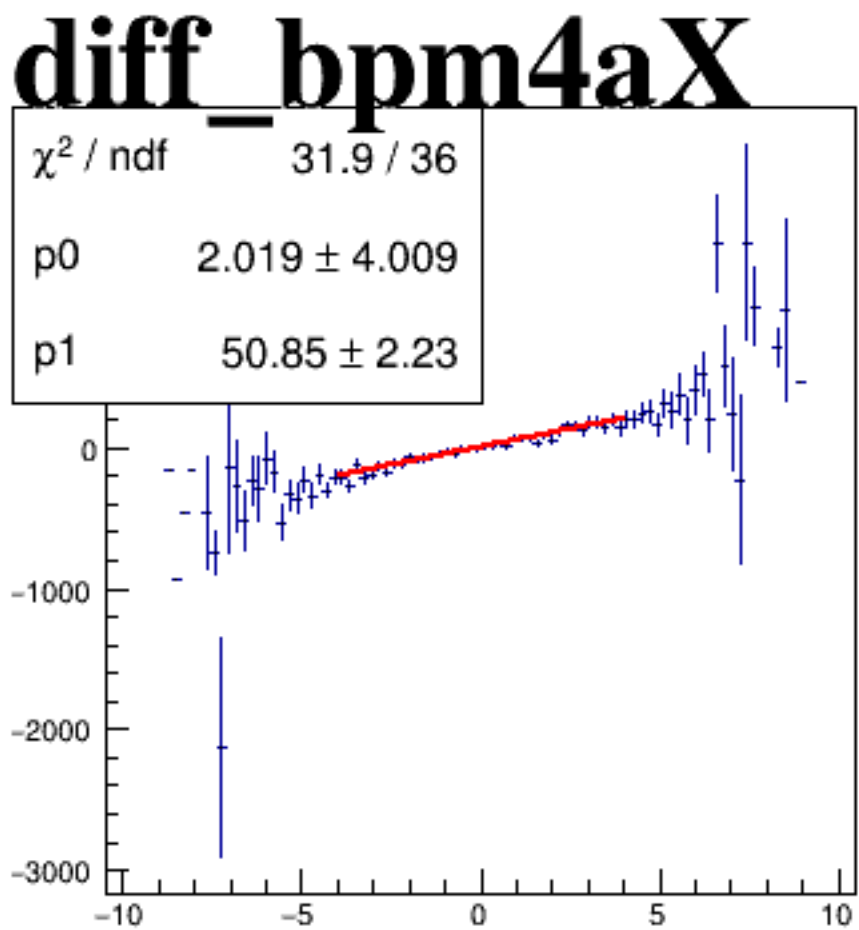
asym_sam1



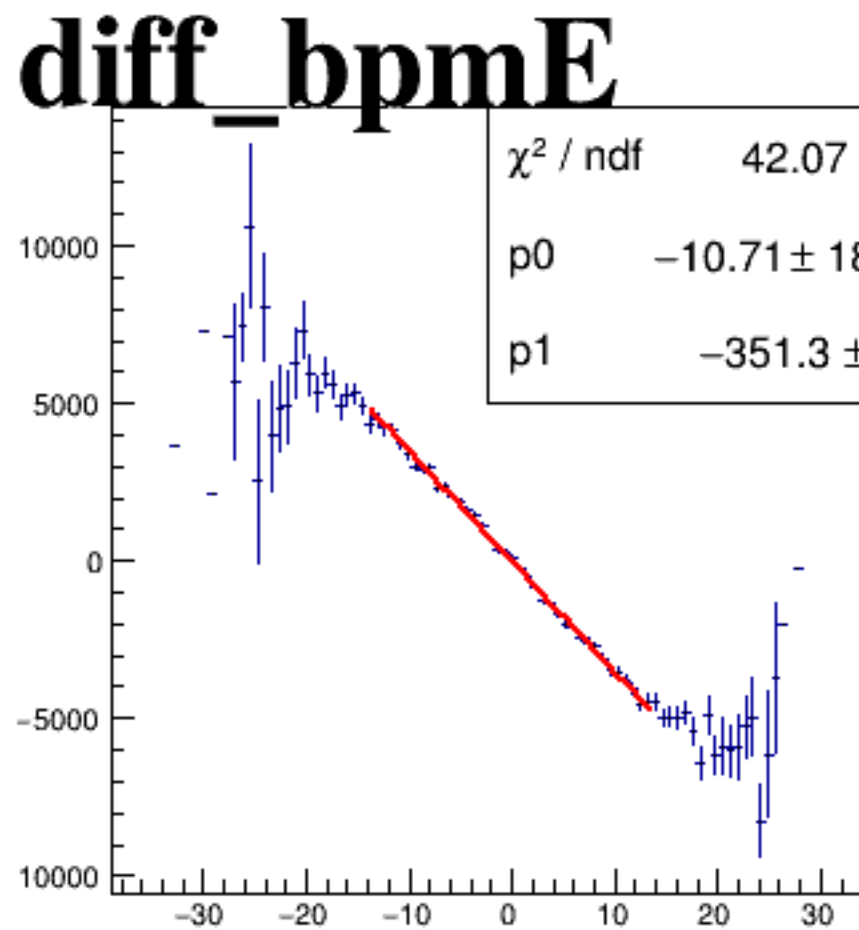
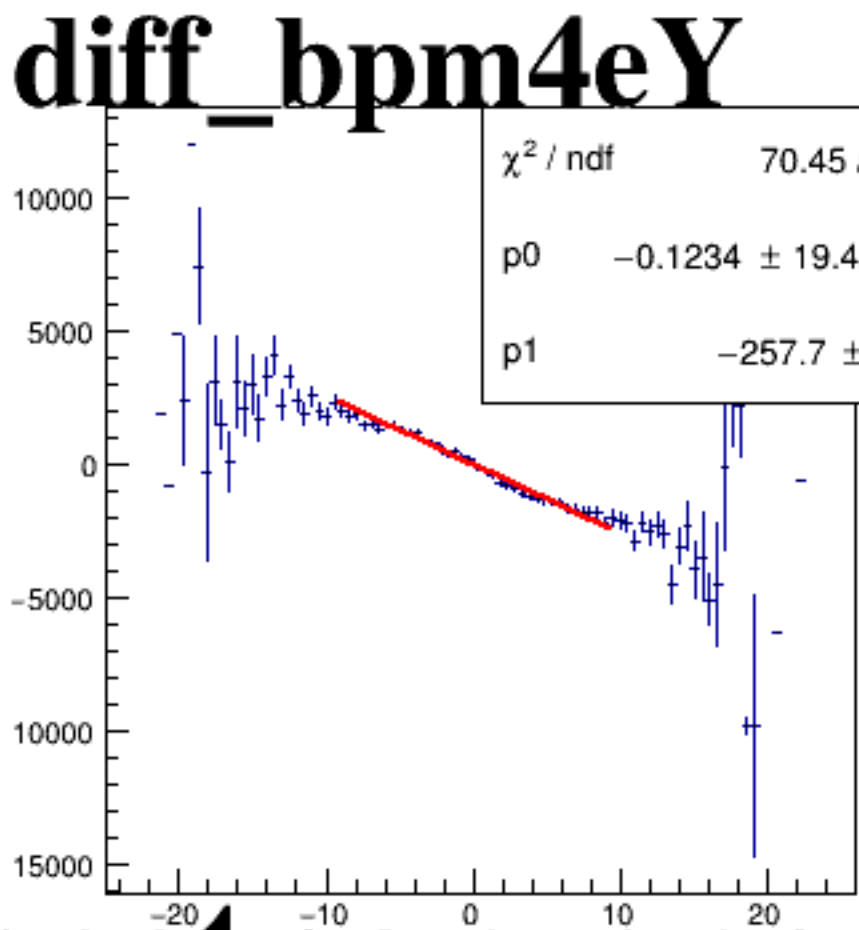
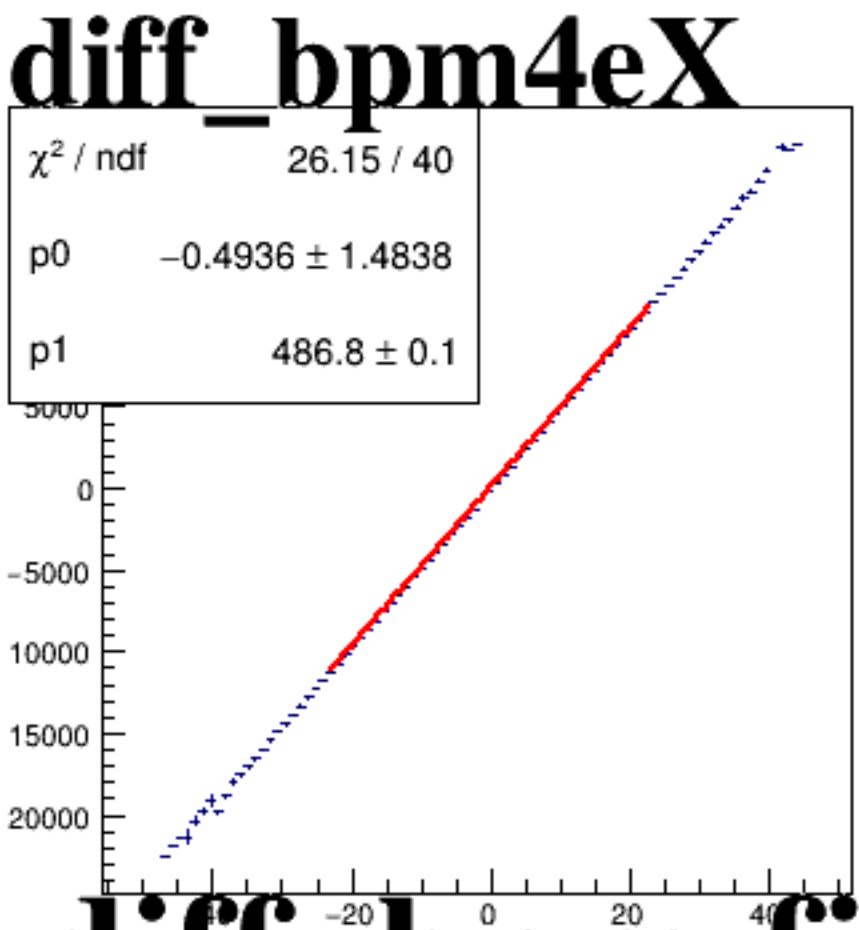
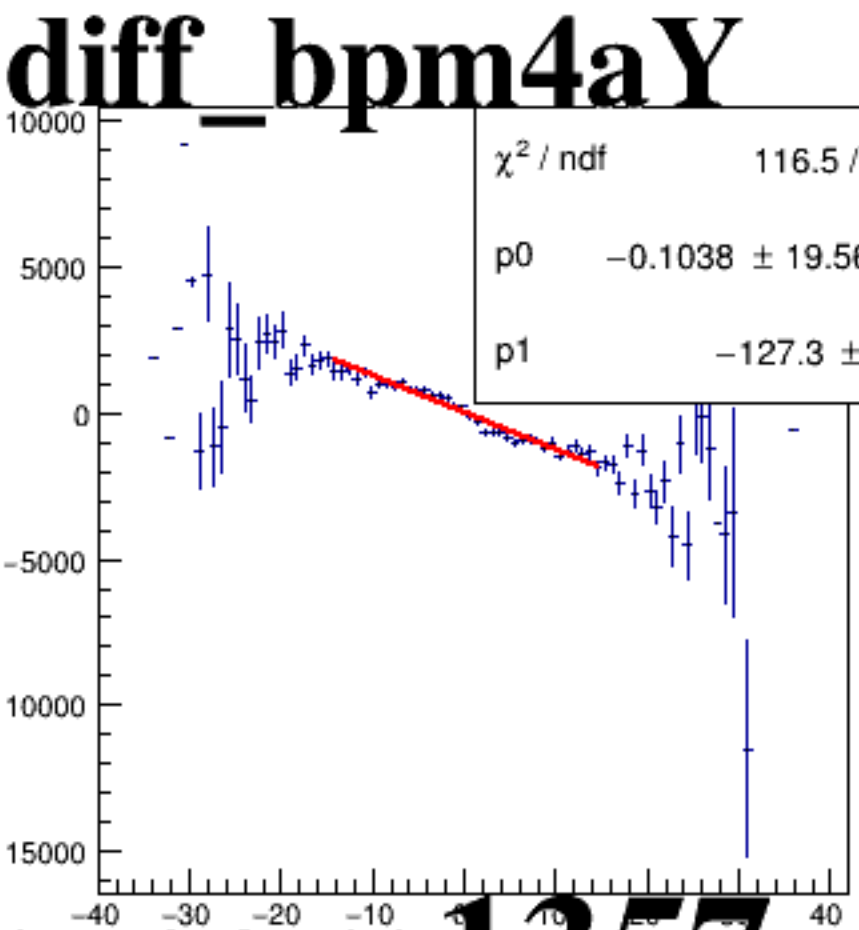
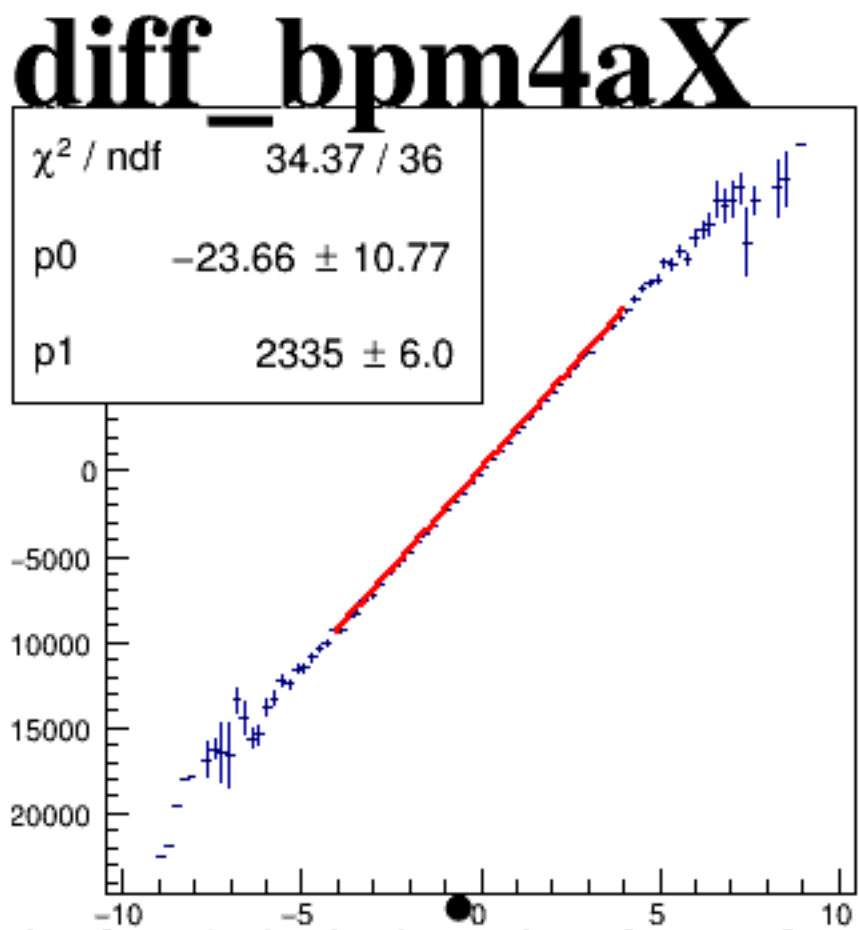
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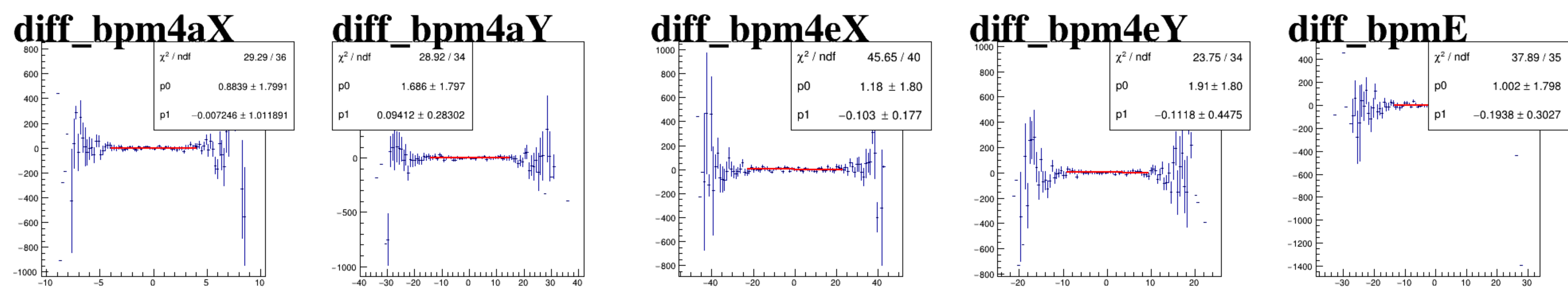
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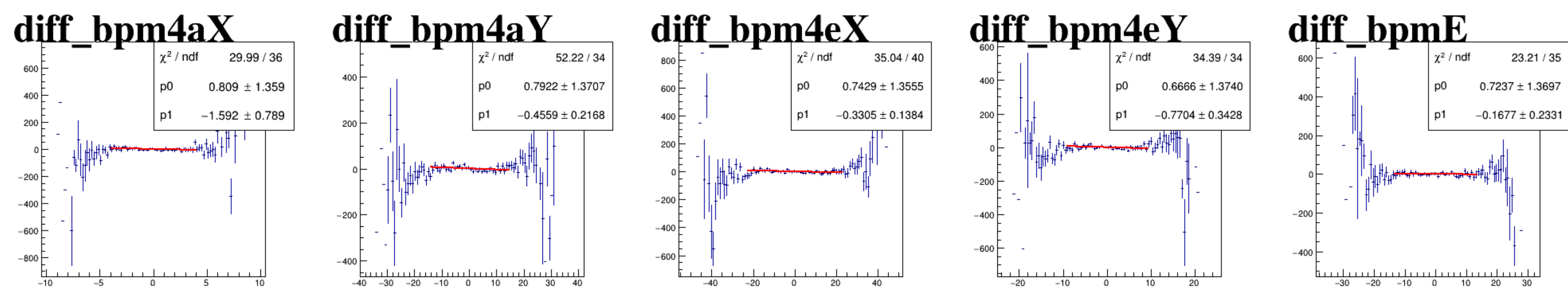
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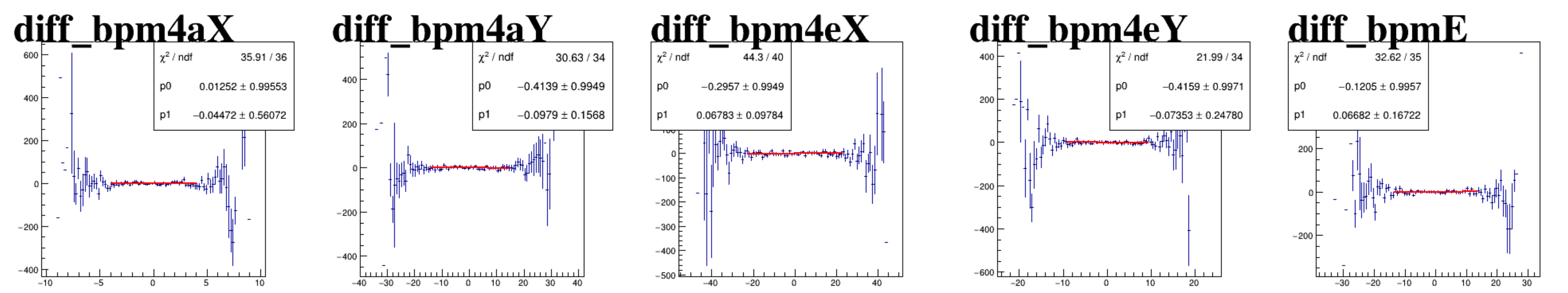
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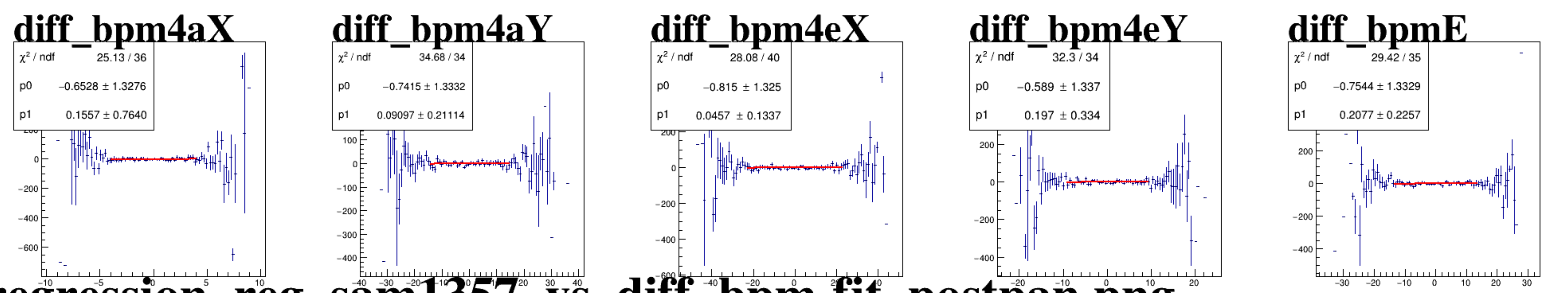
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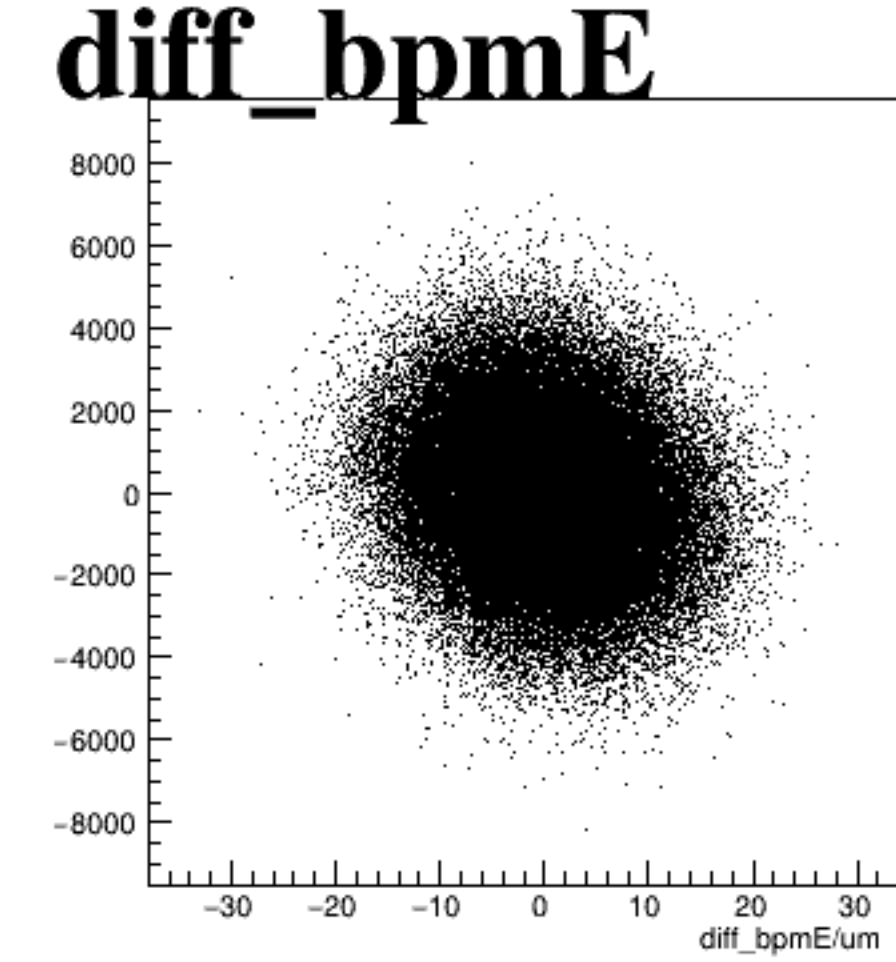
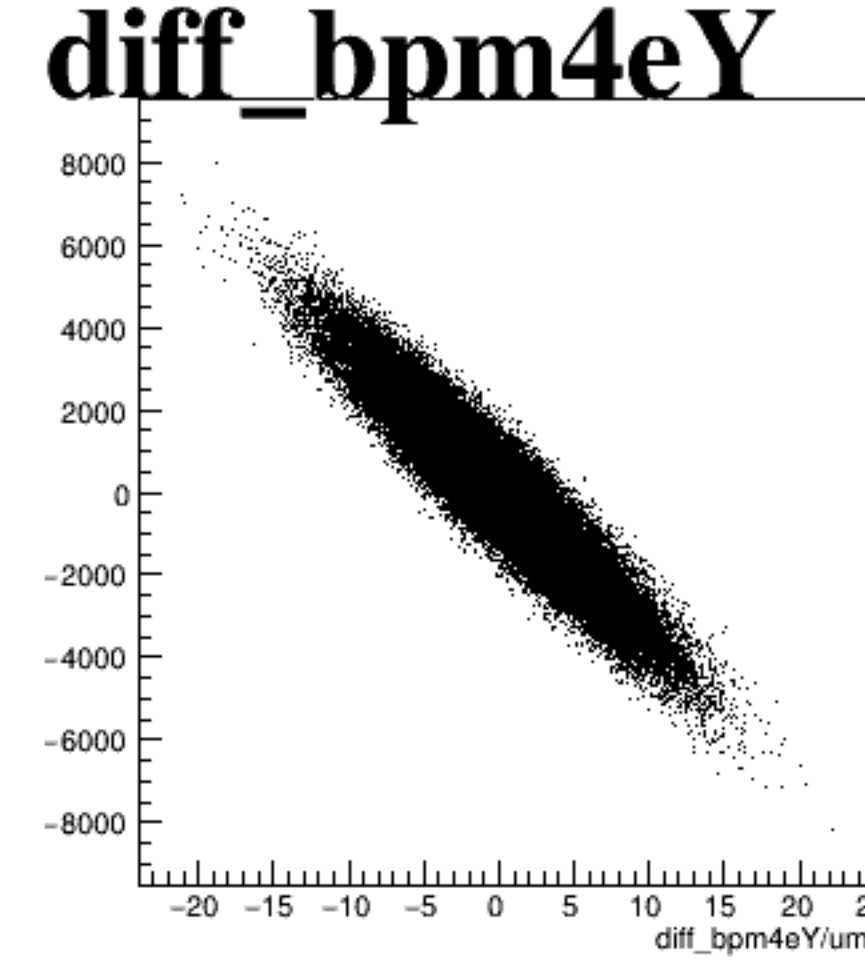
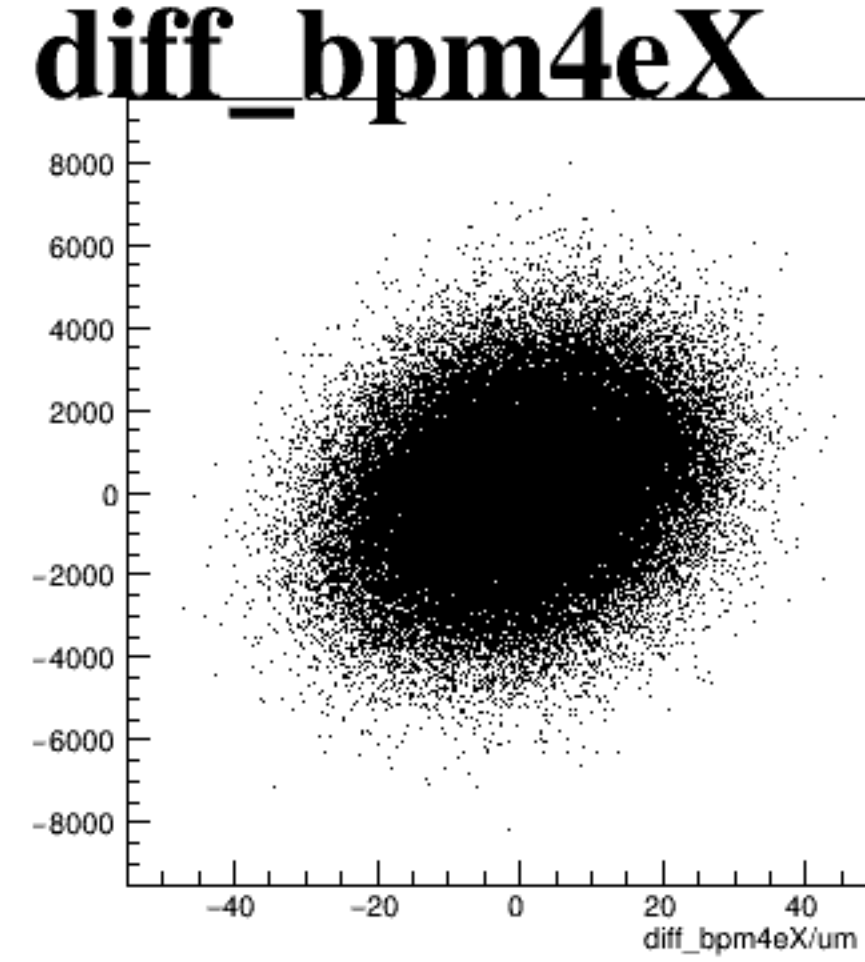
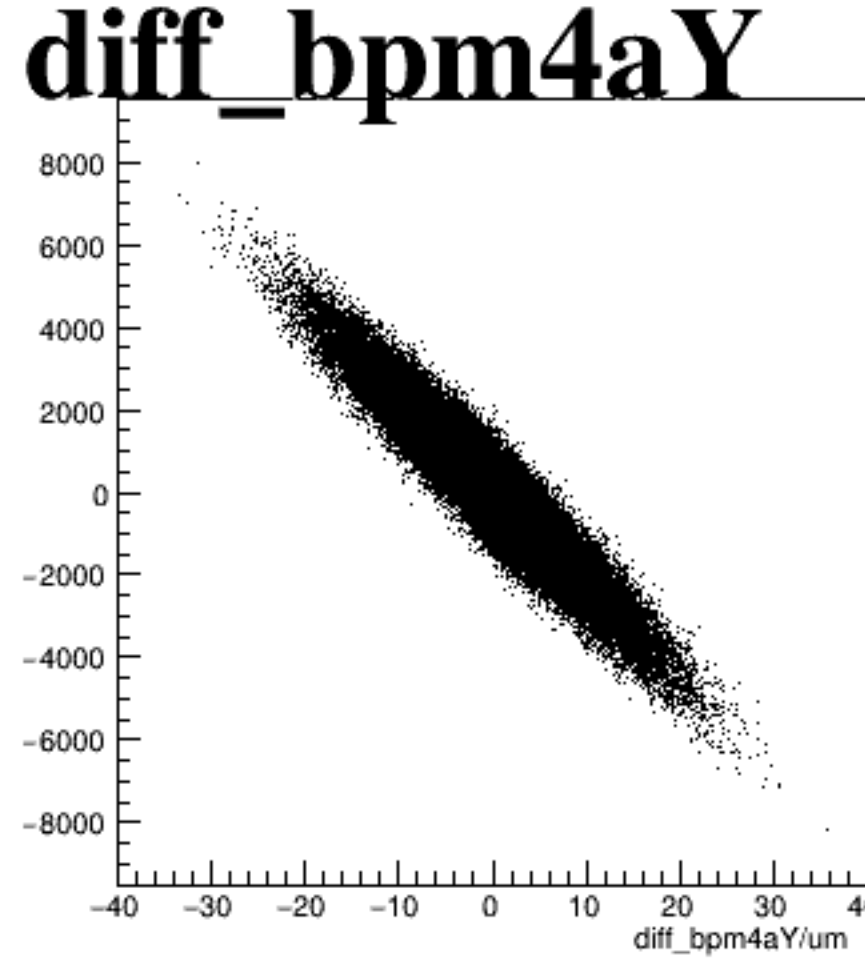
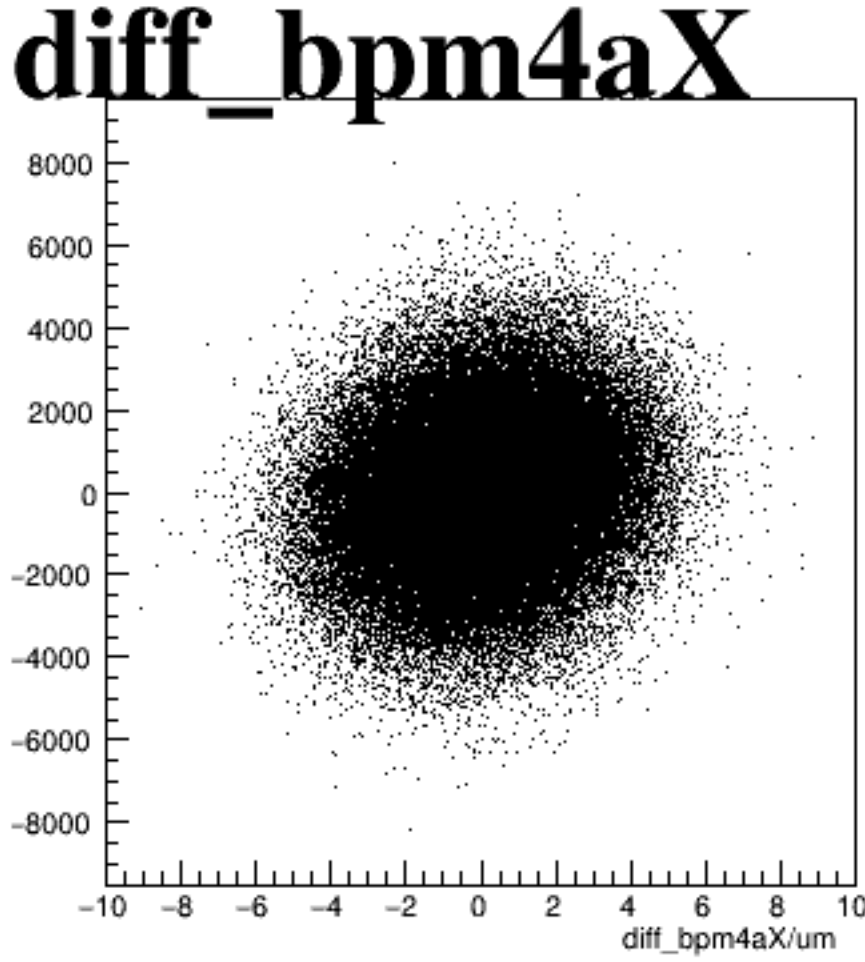
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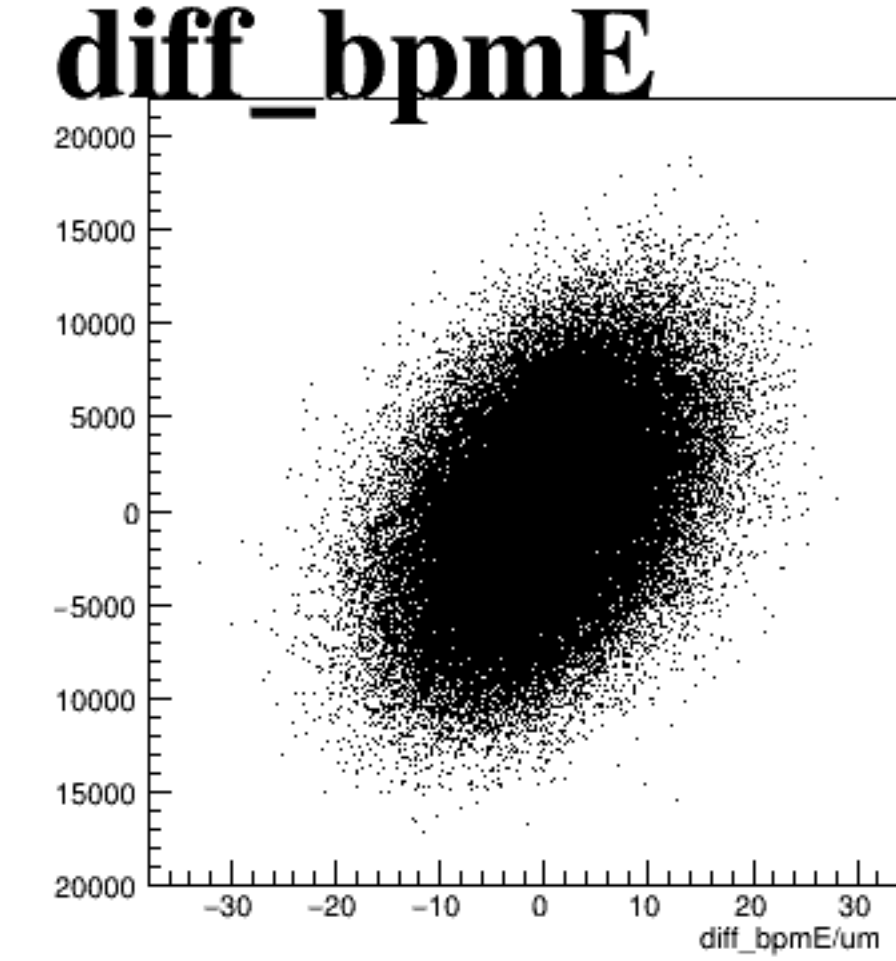
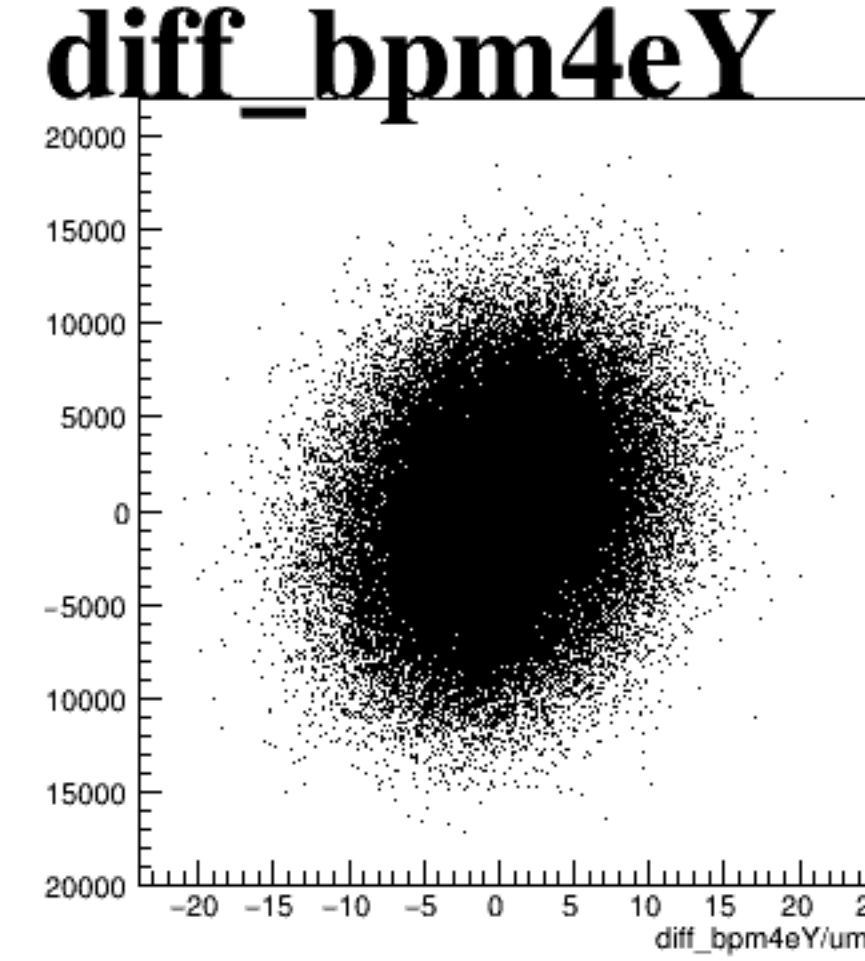
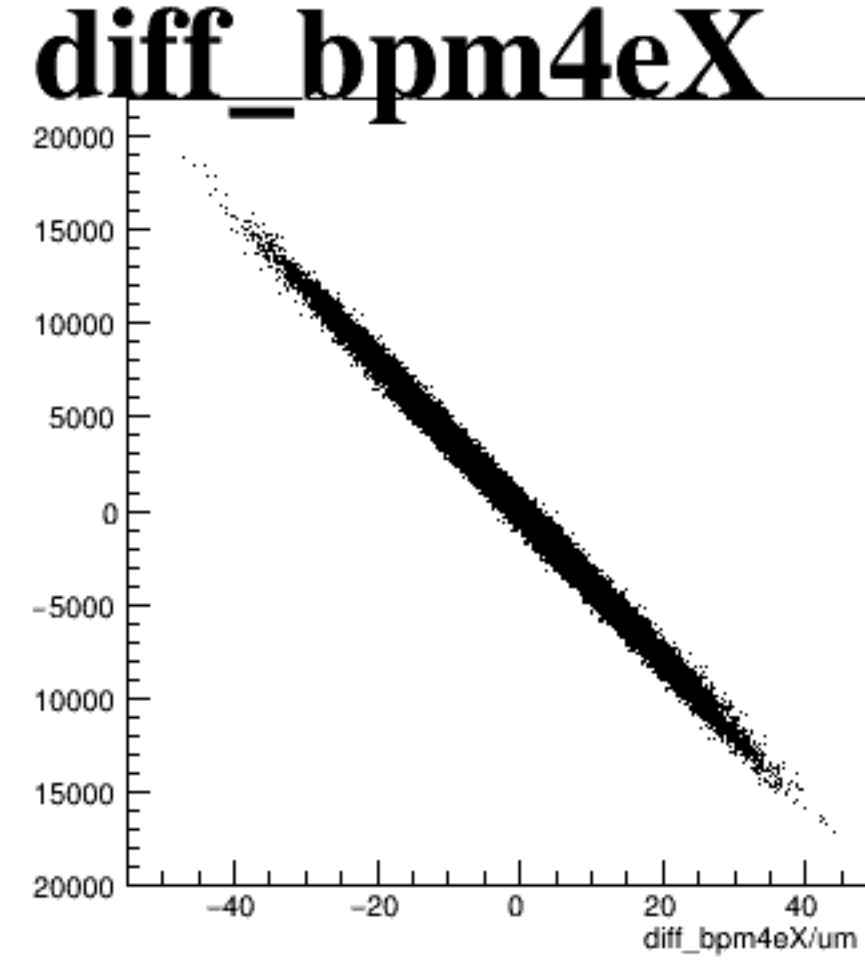
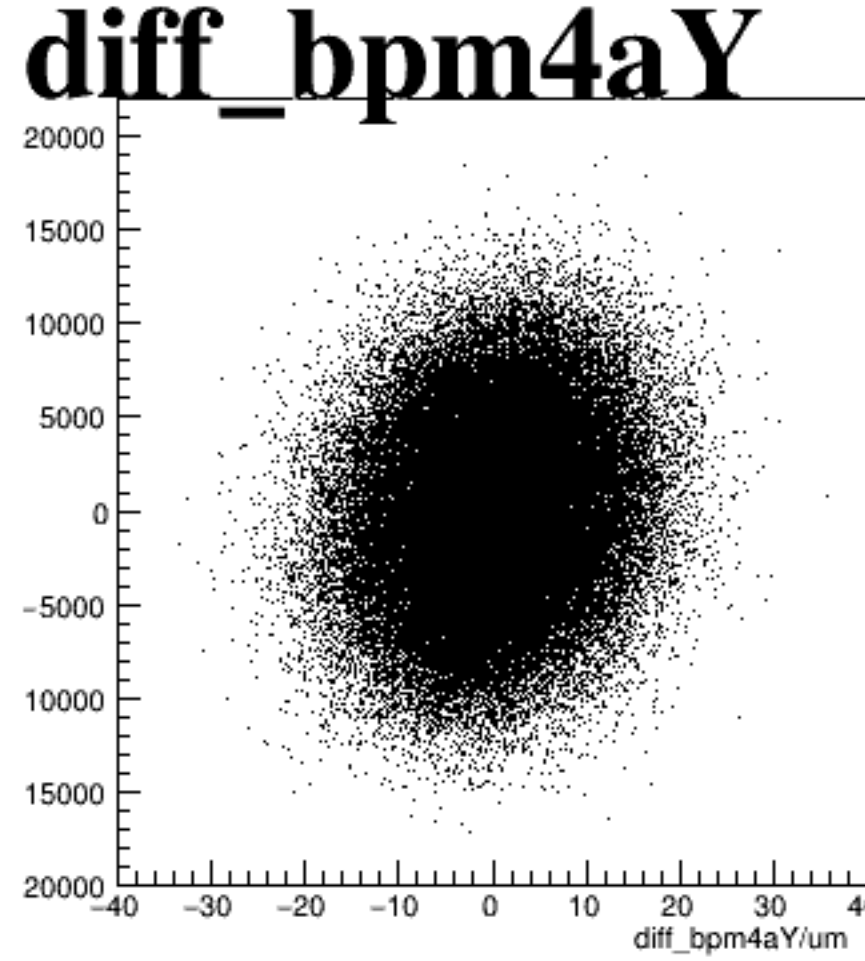
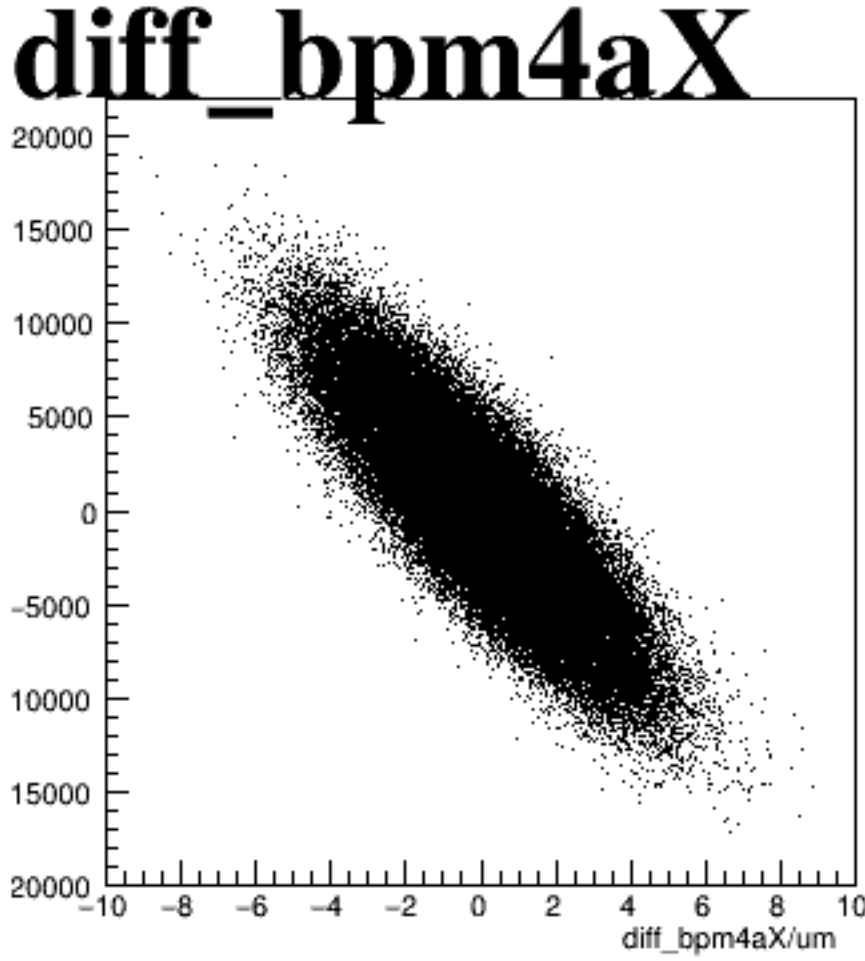
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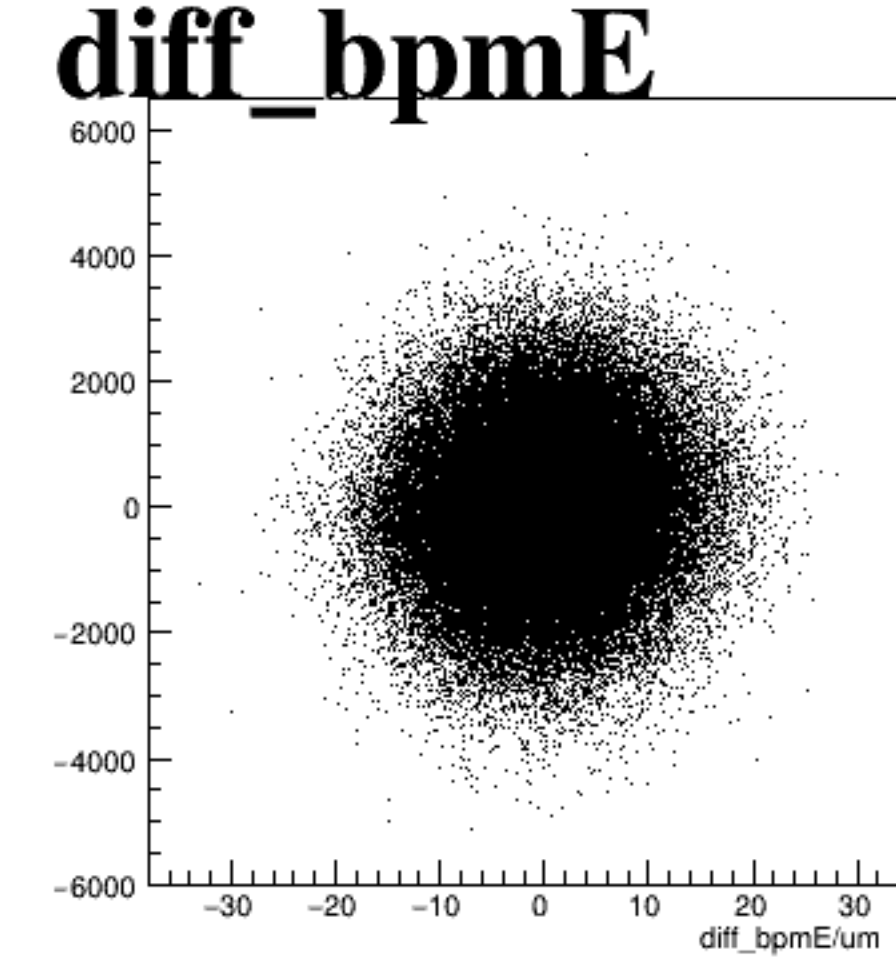
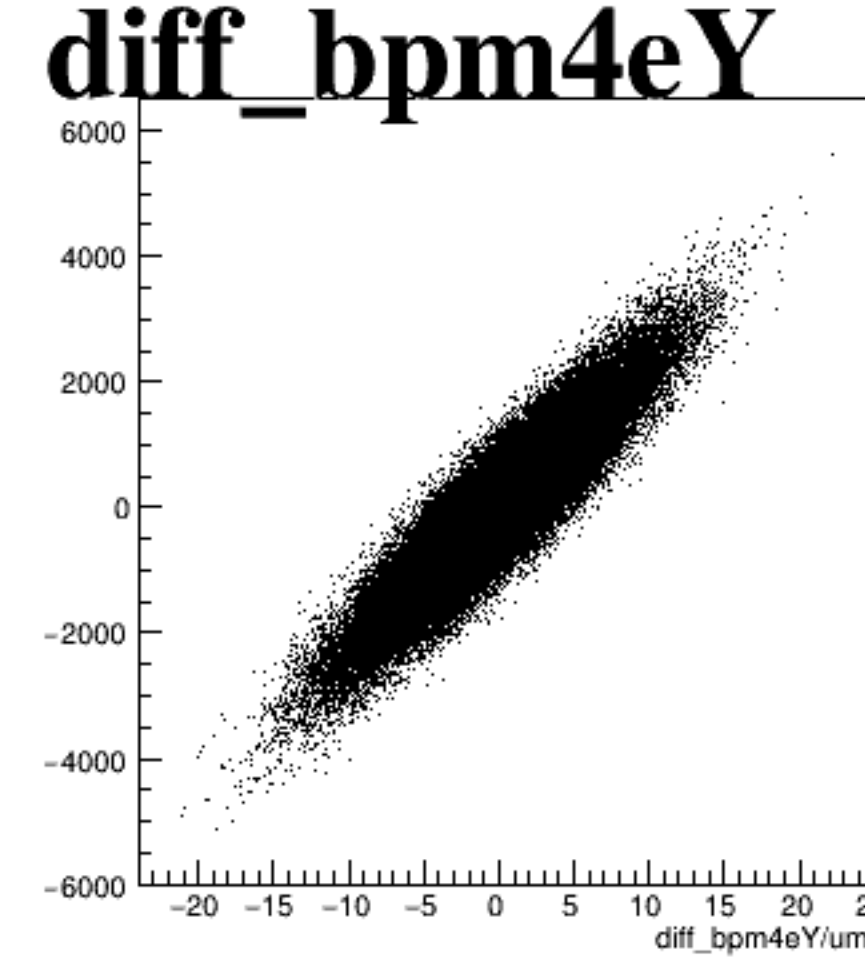
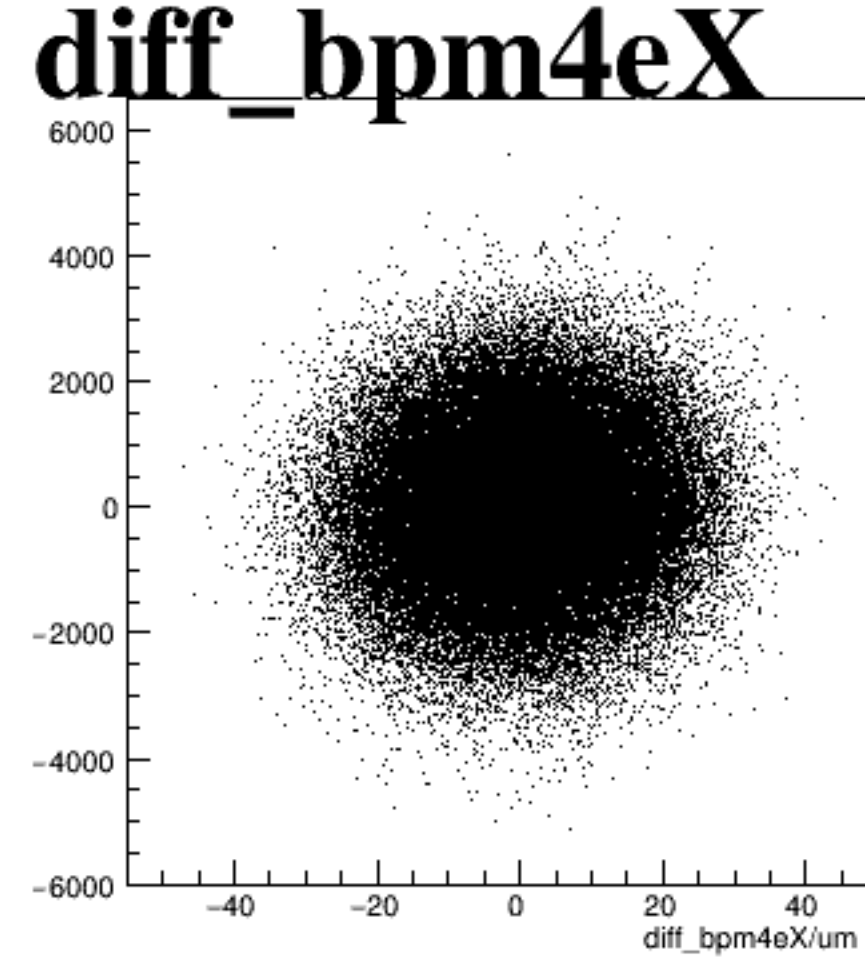
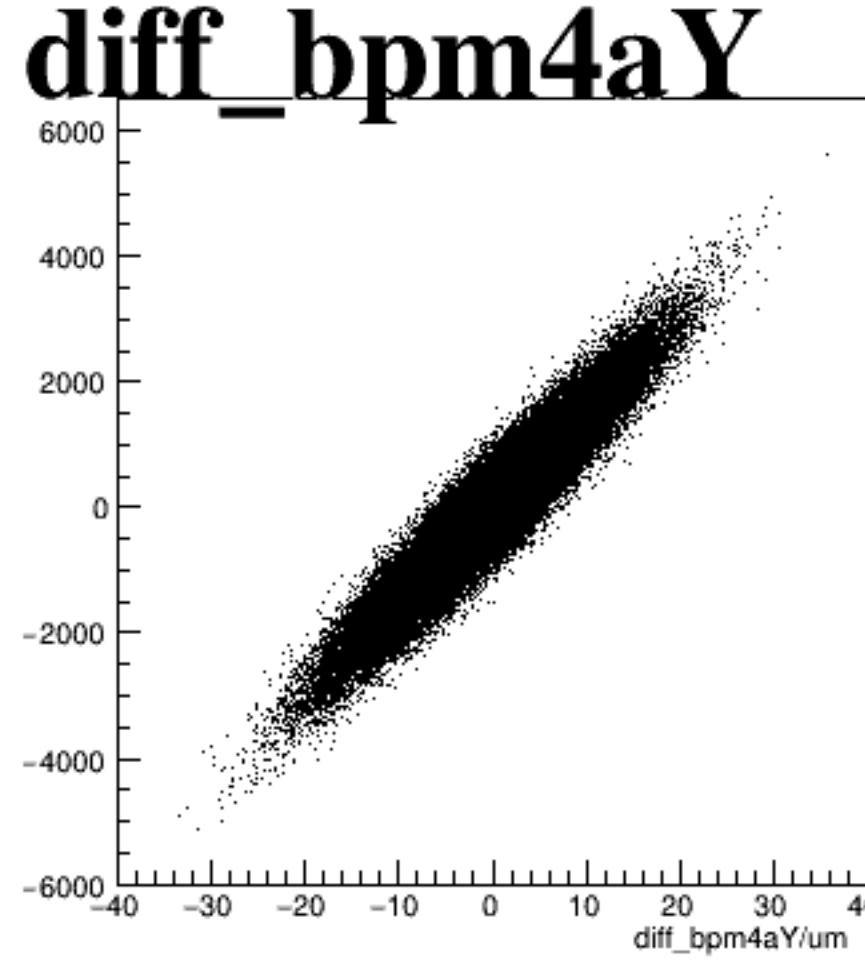
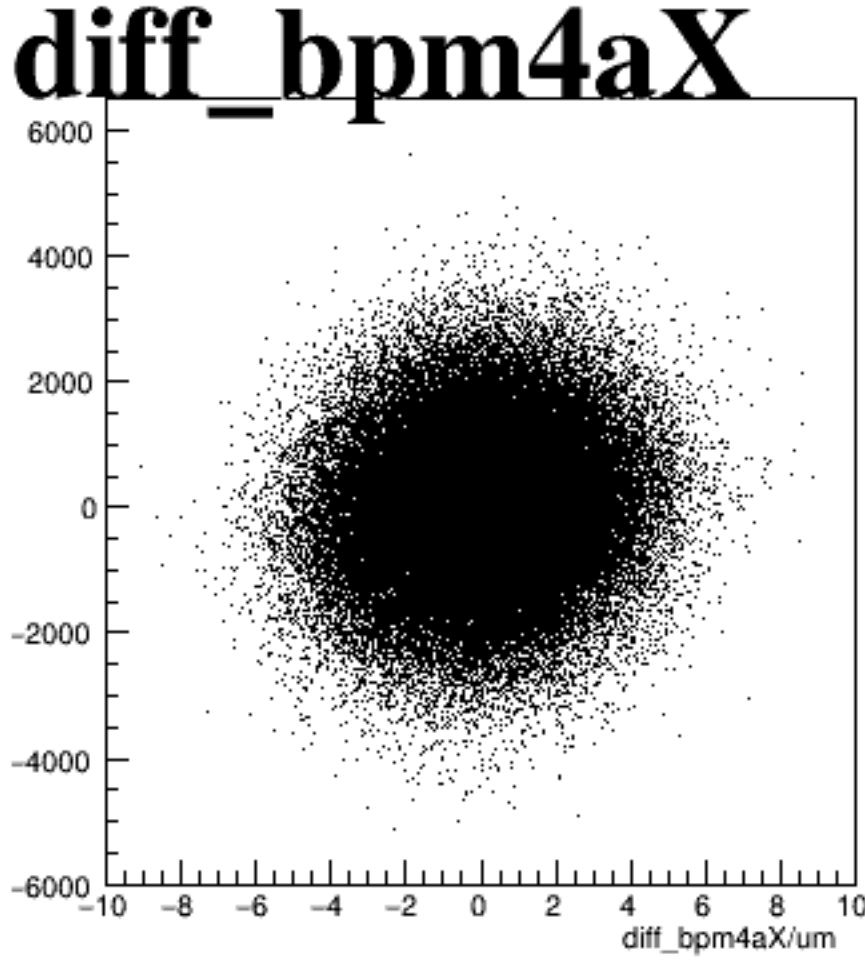
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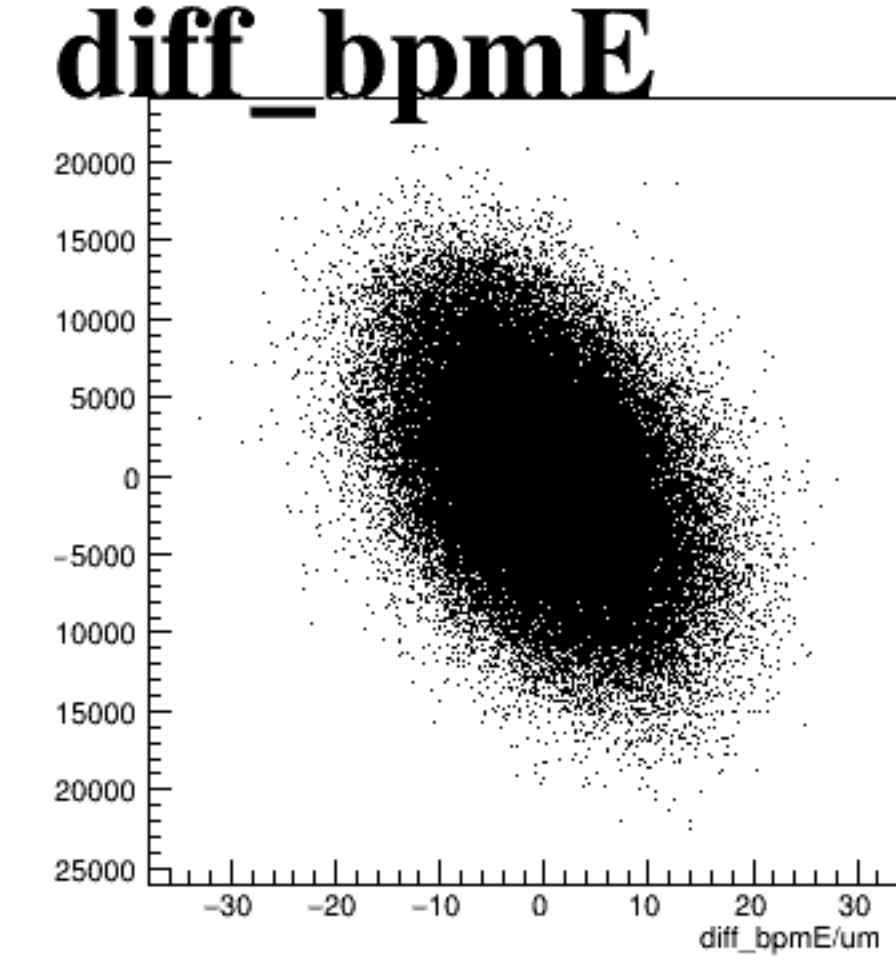
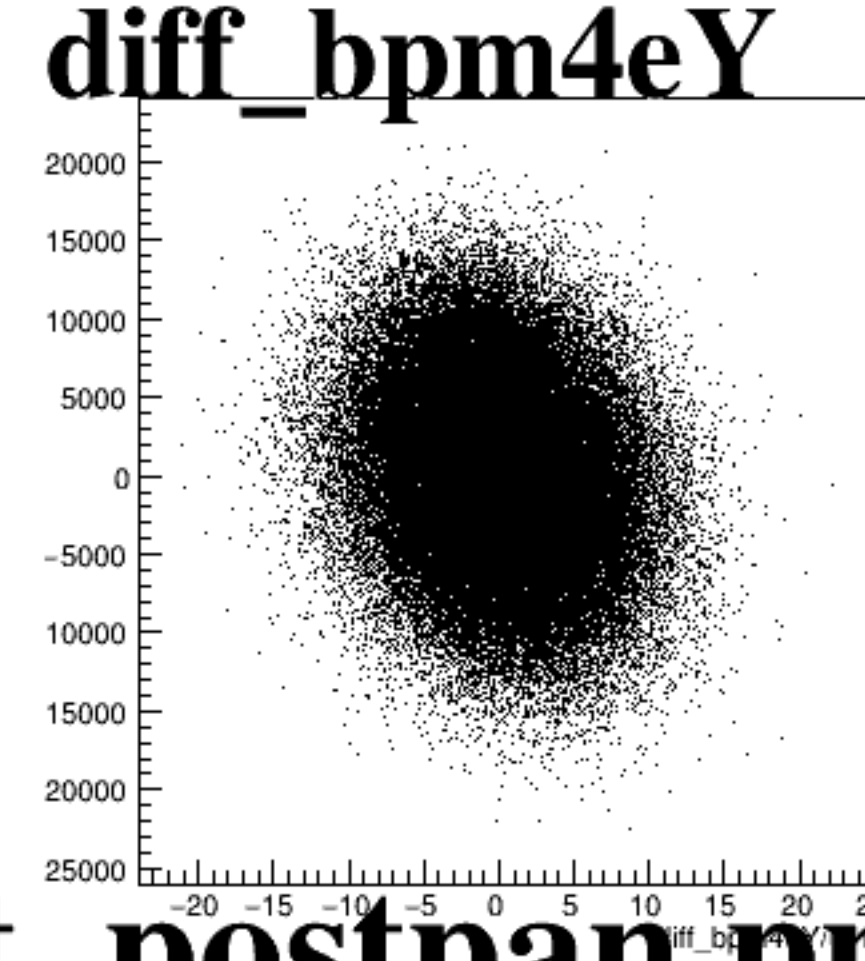
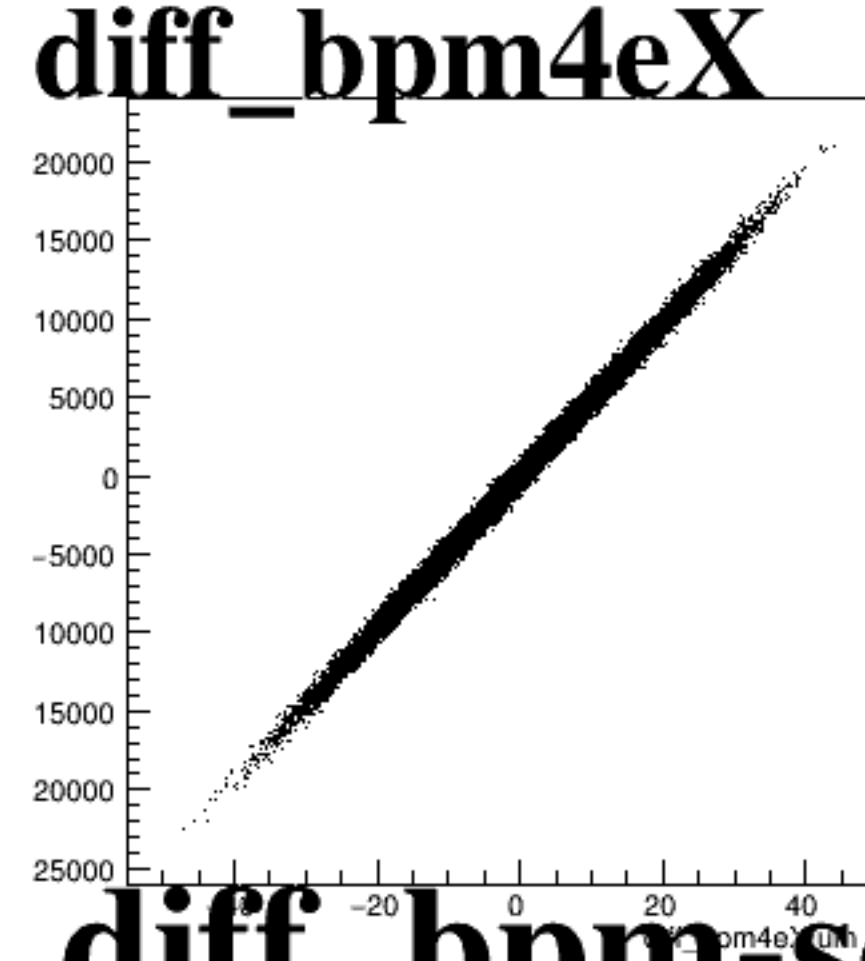
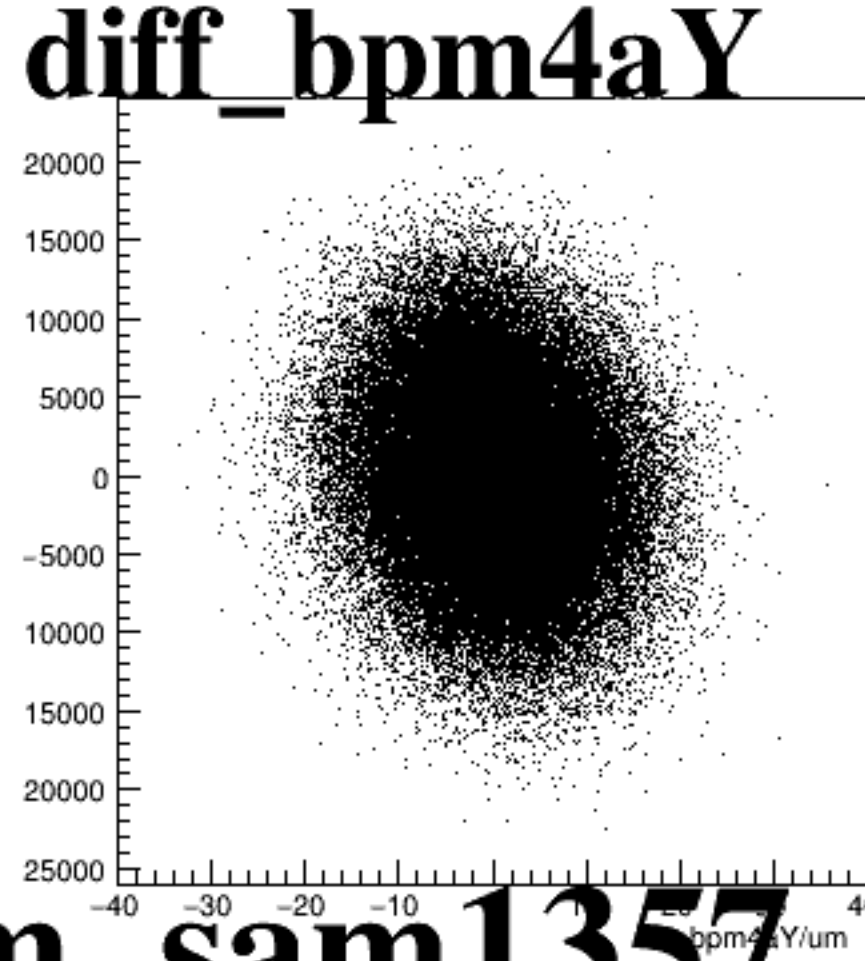
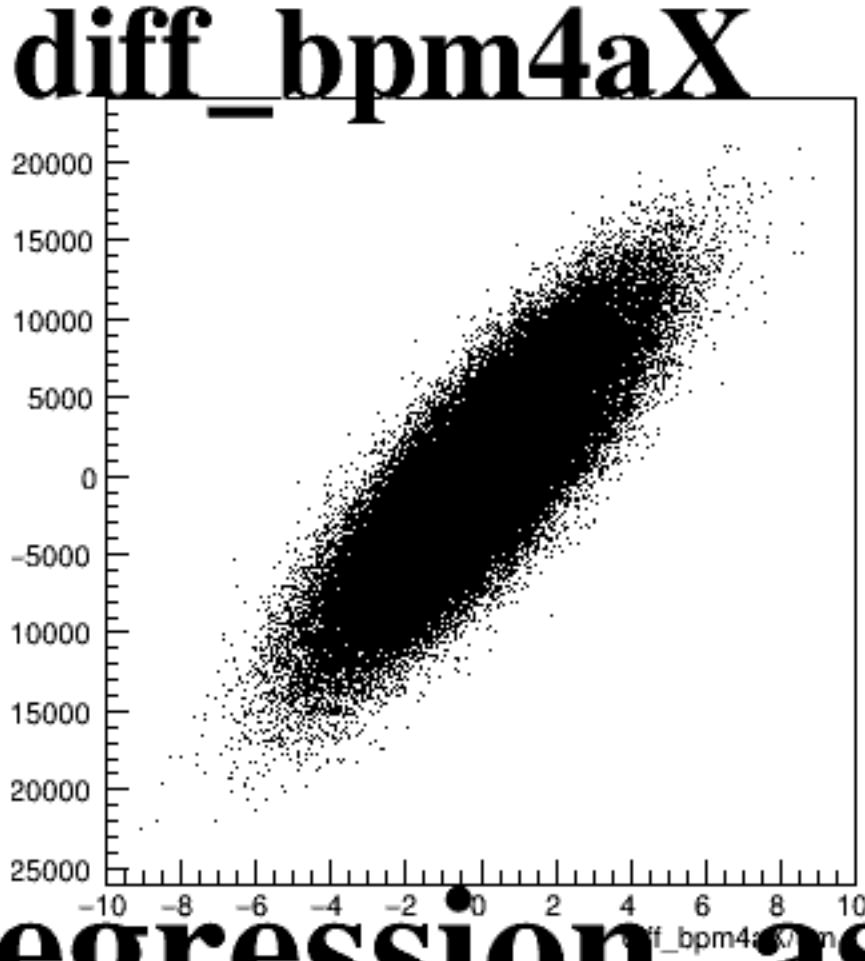
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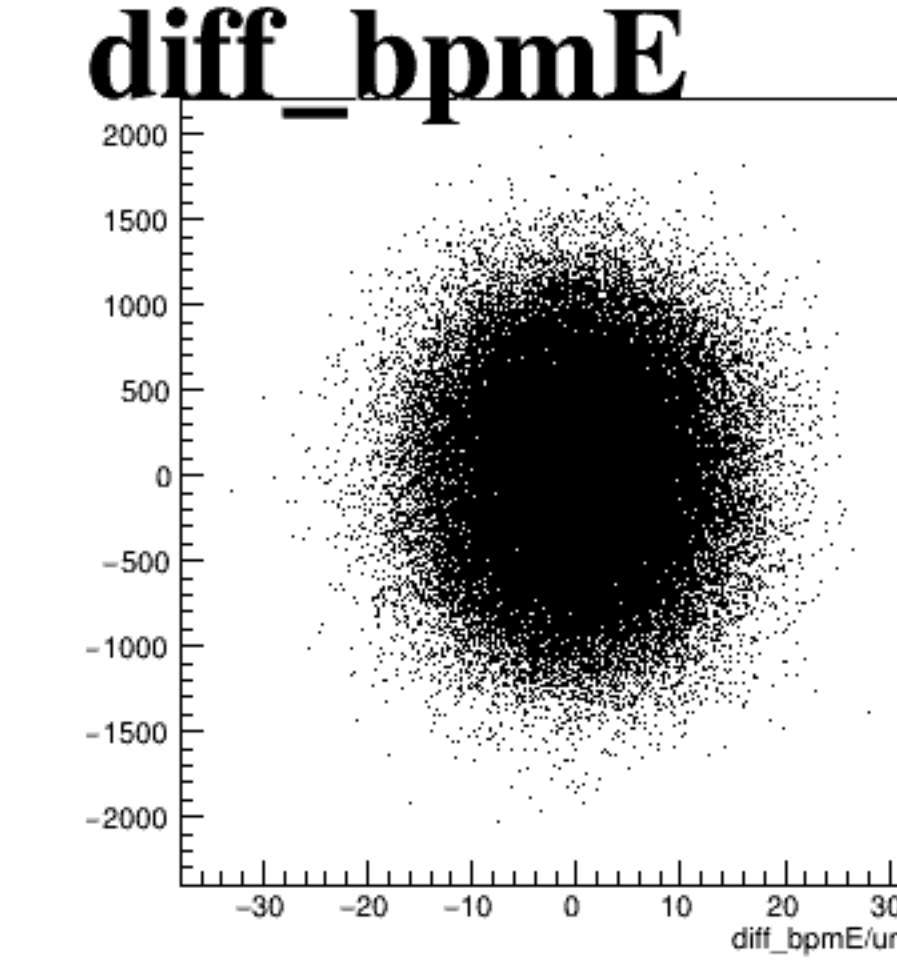
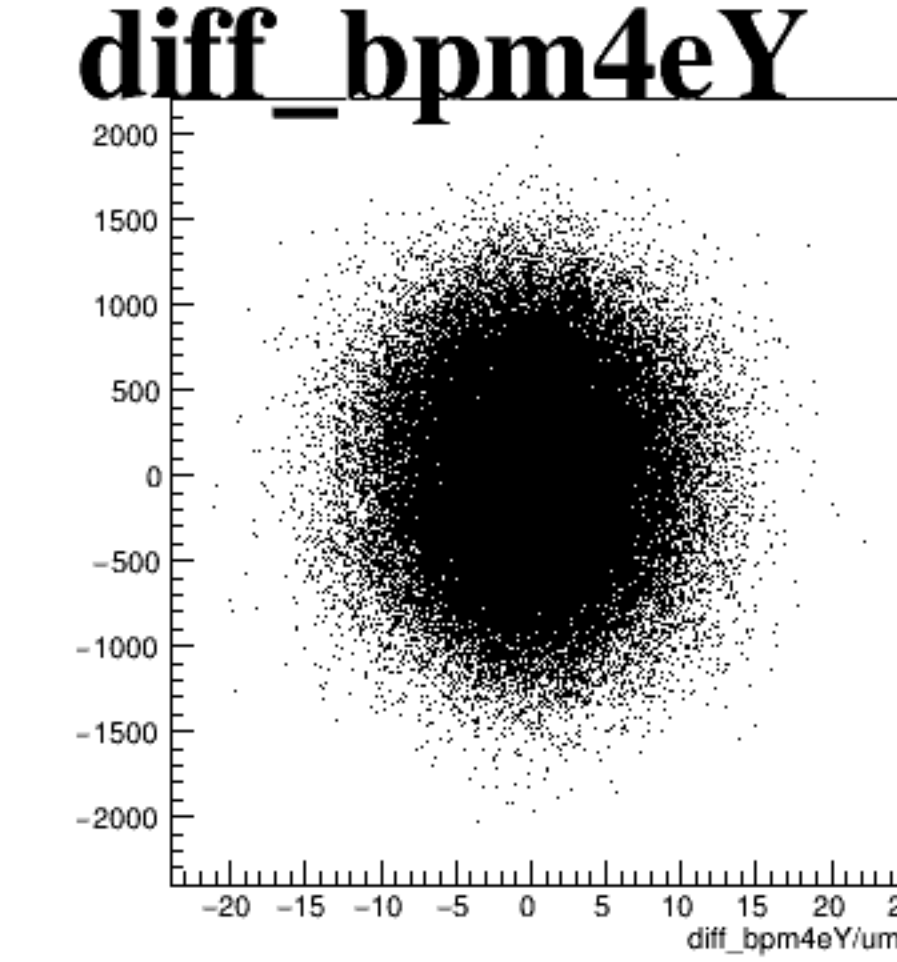
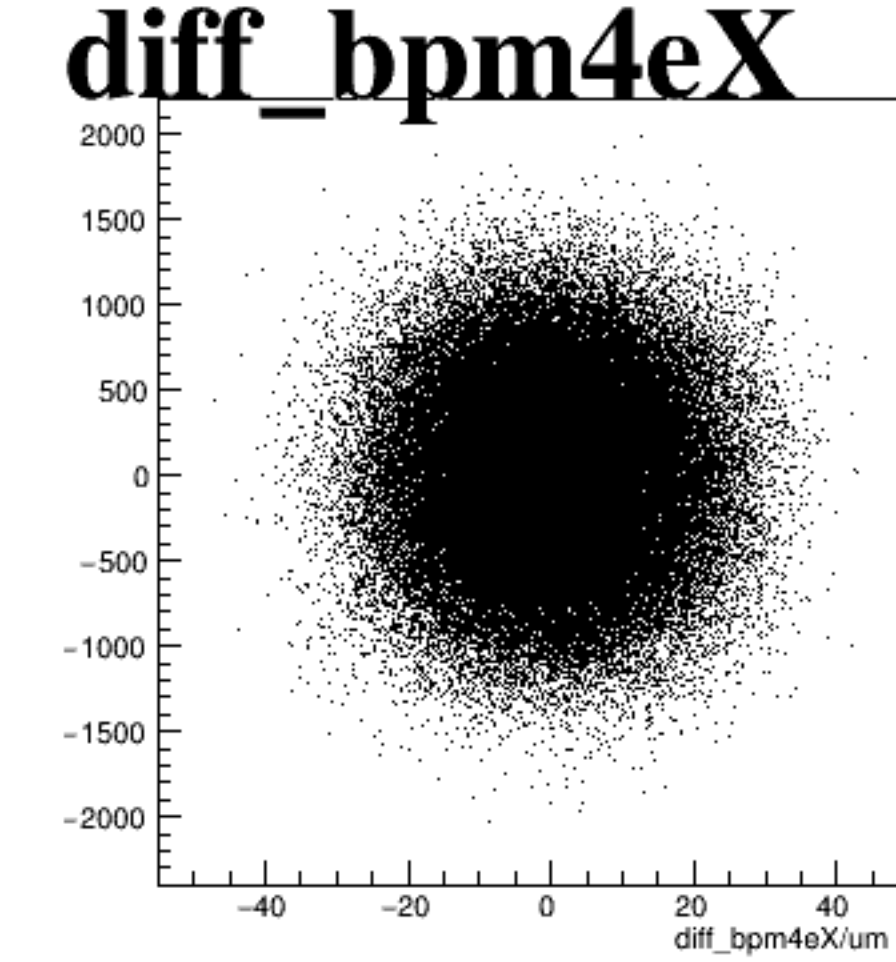
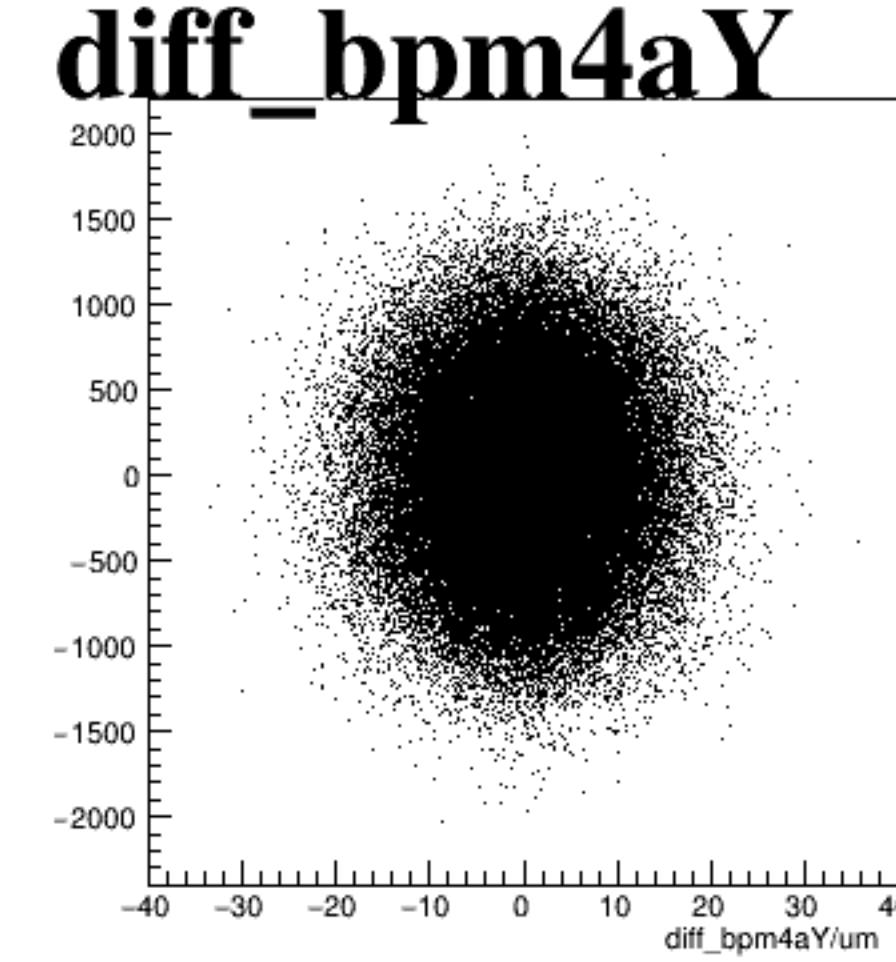
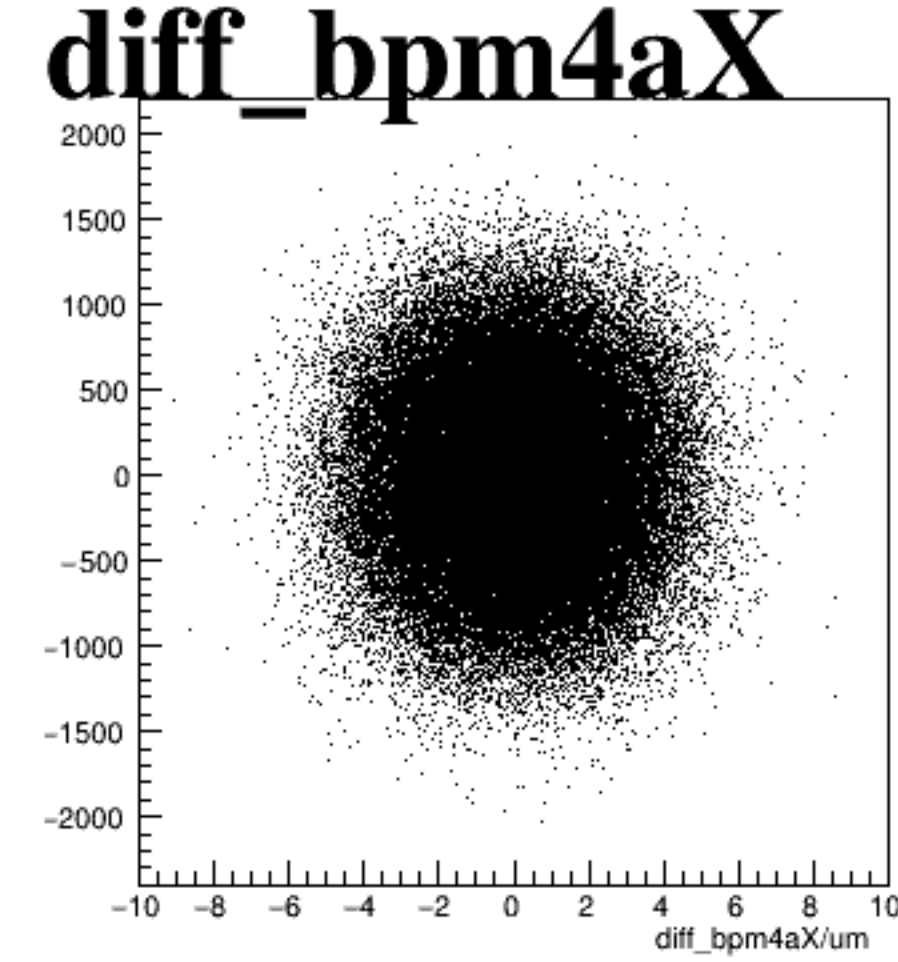
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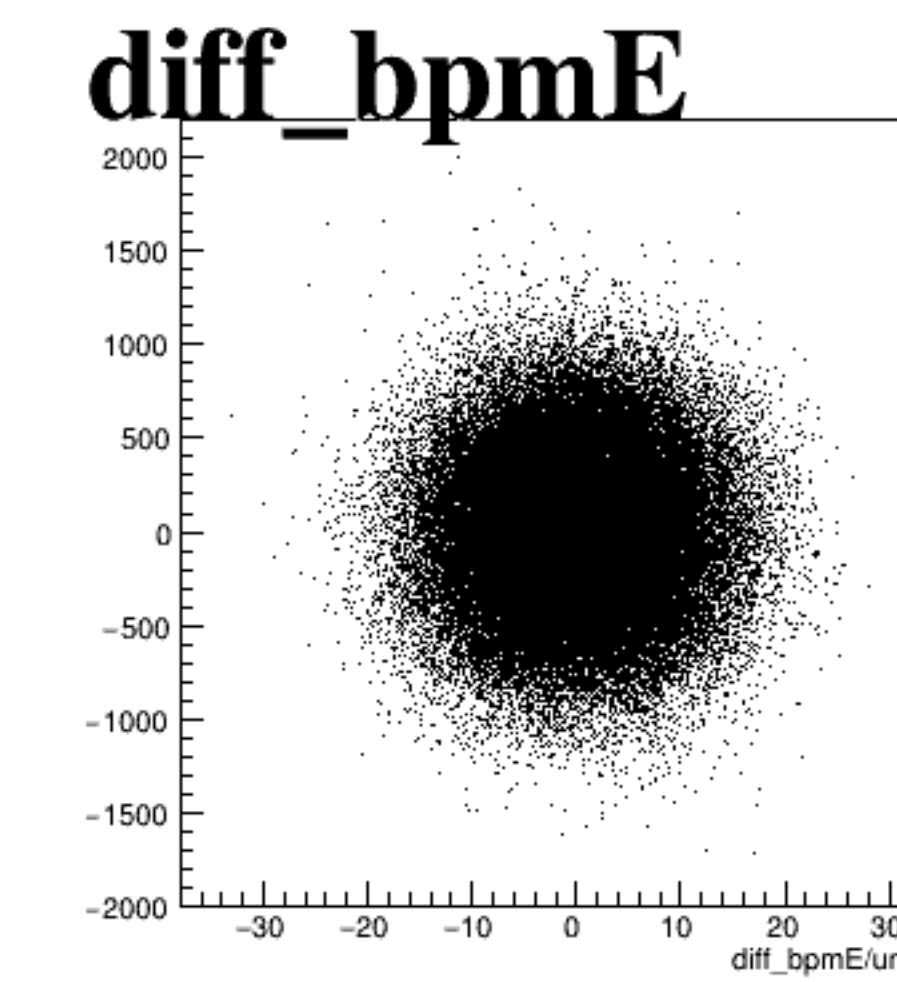
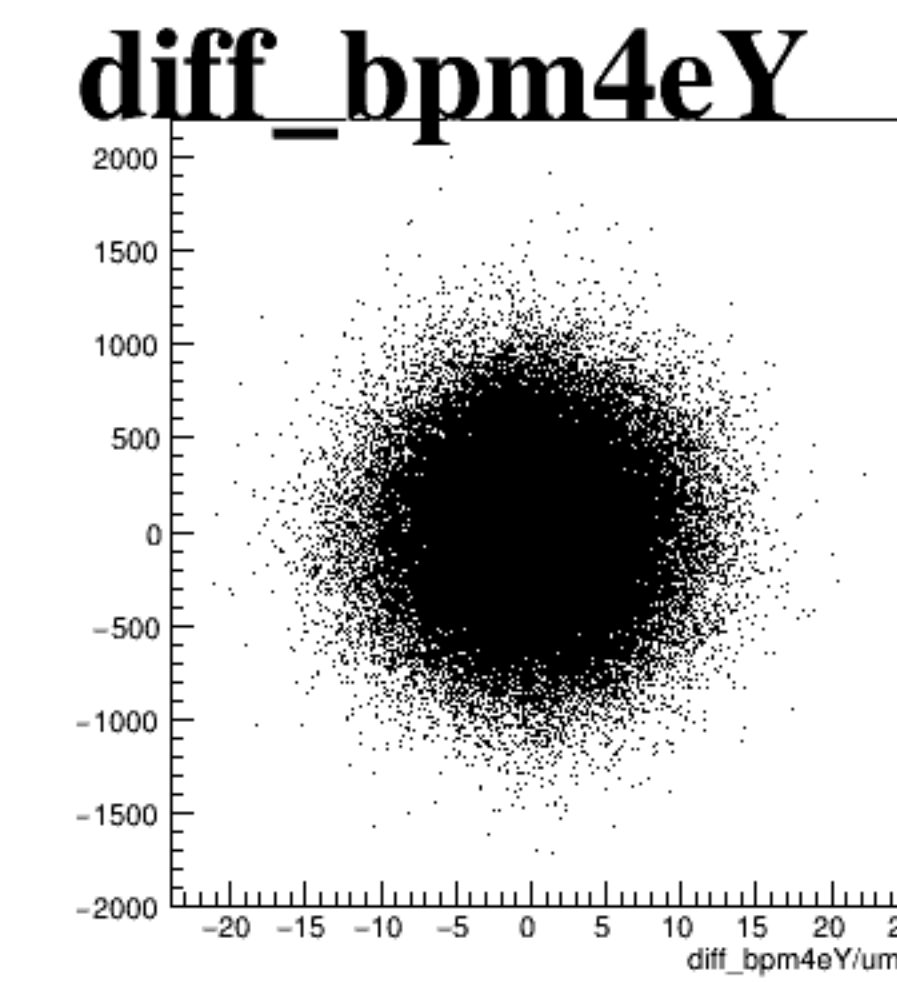
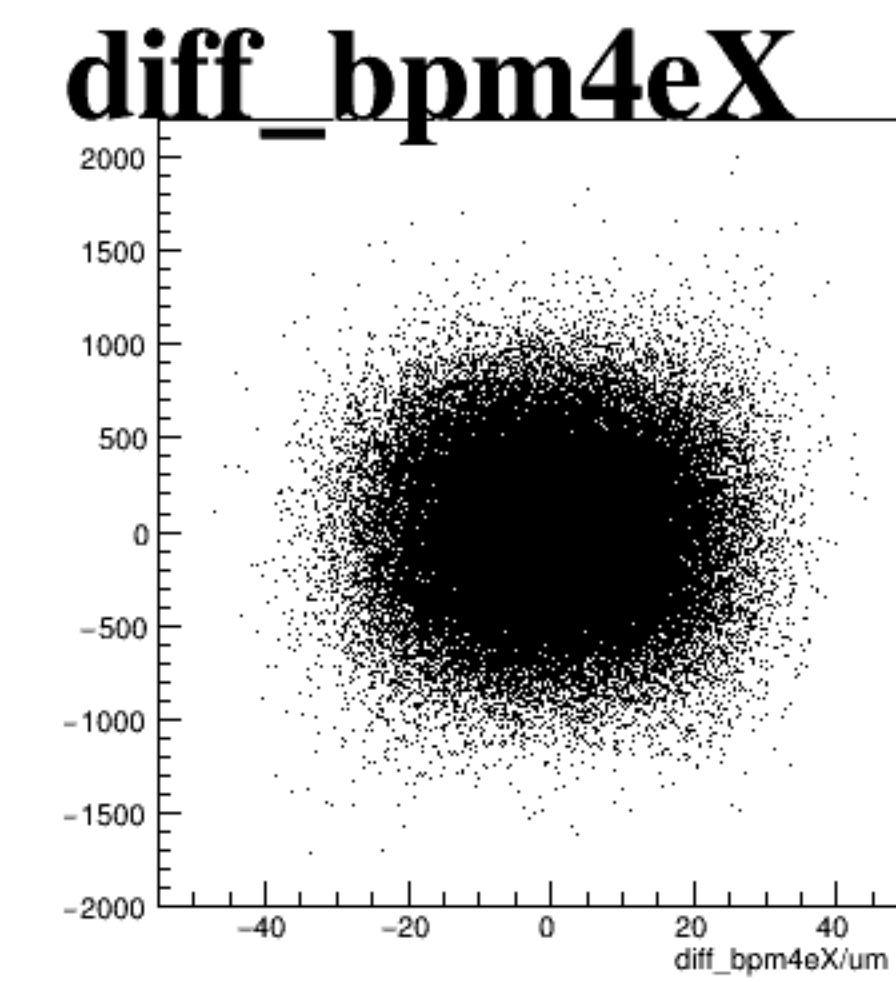
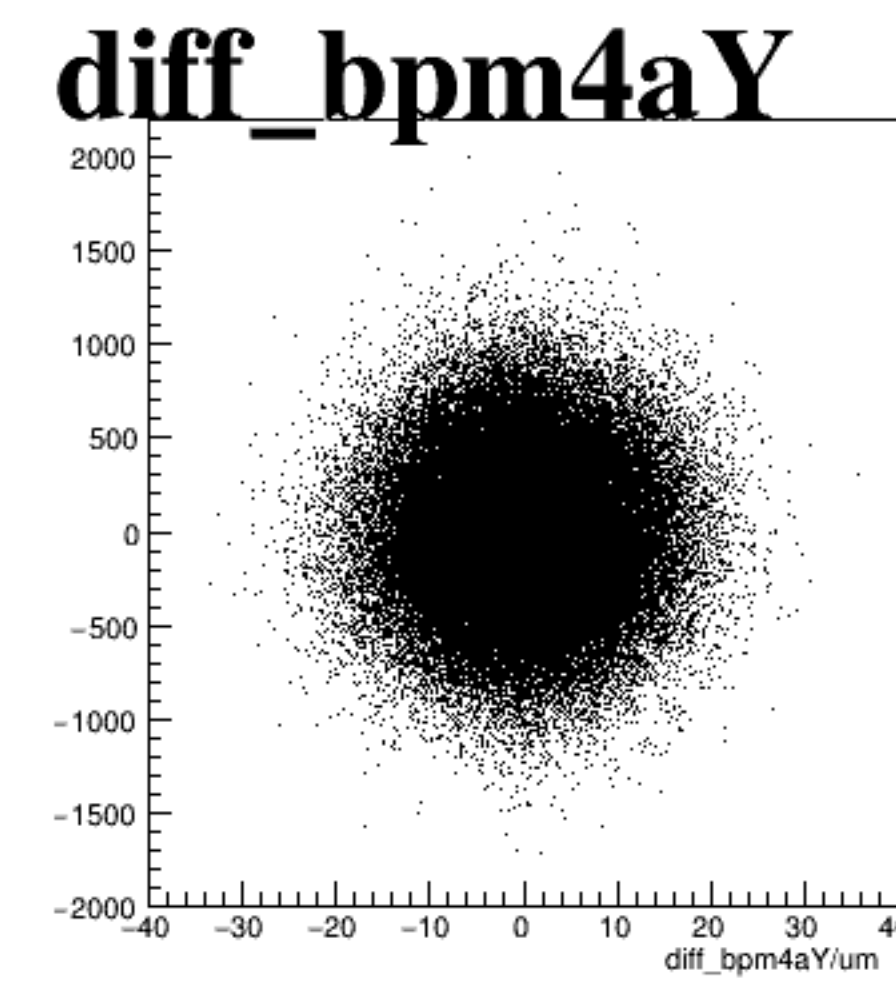
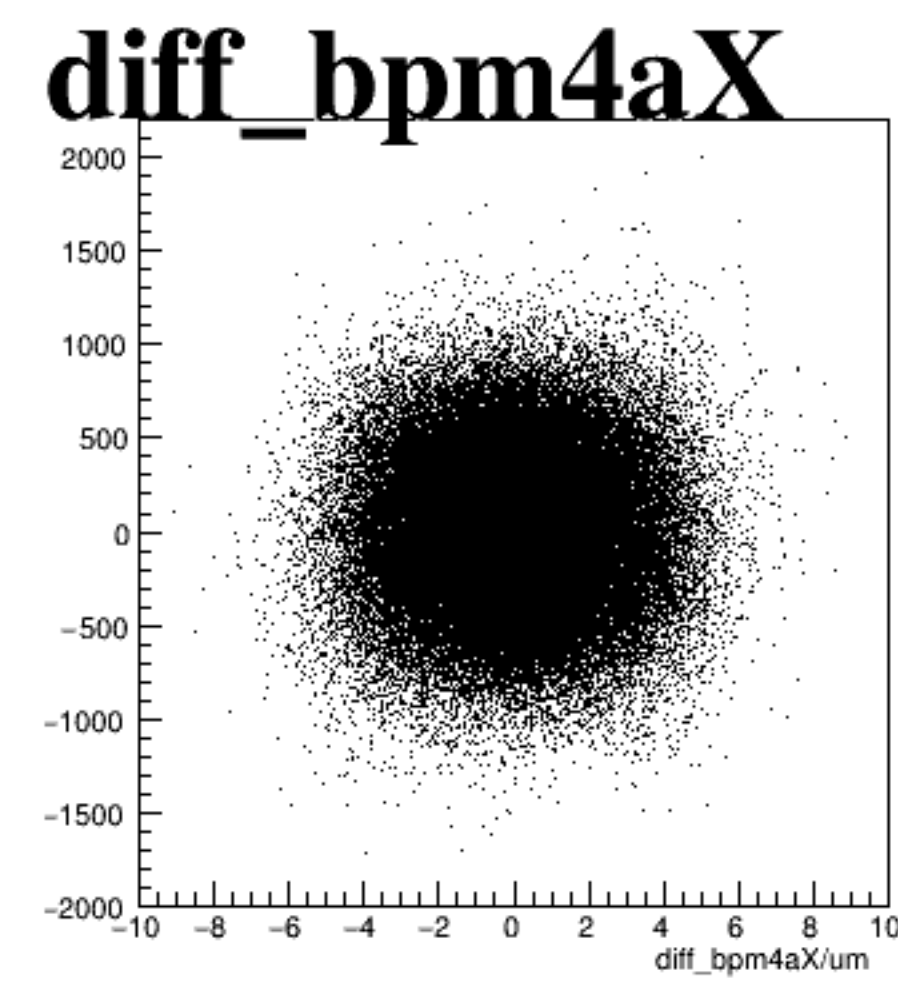
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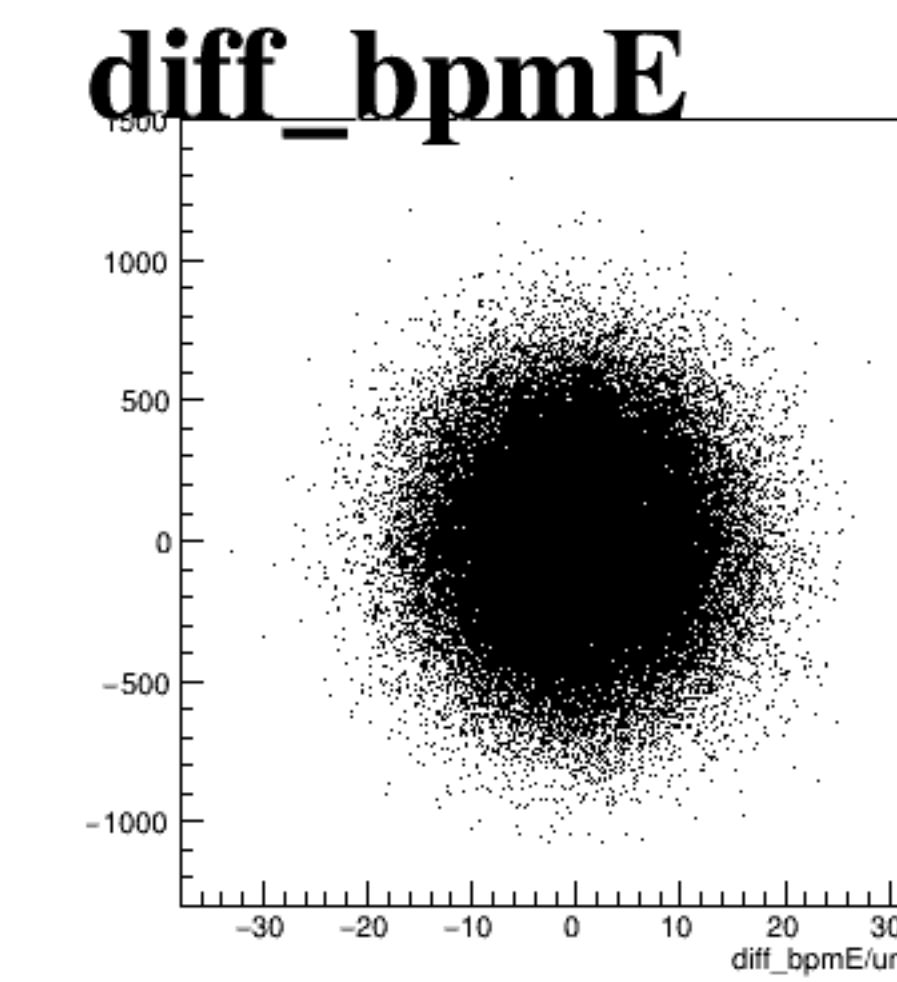
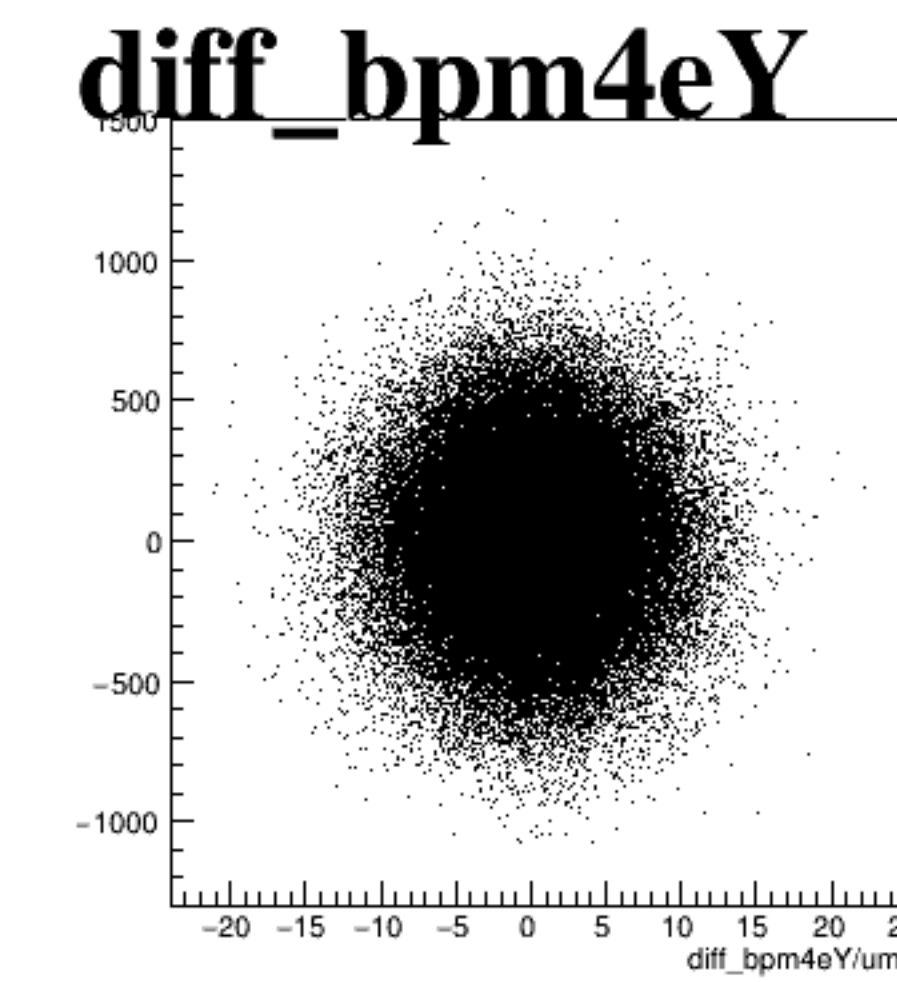
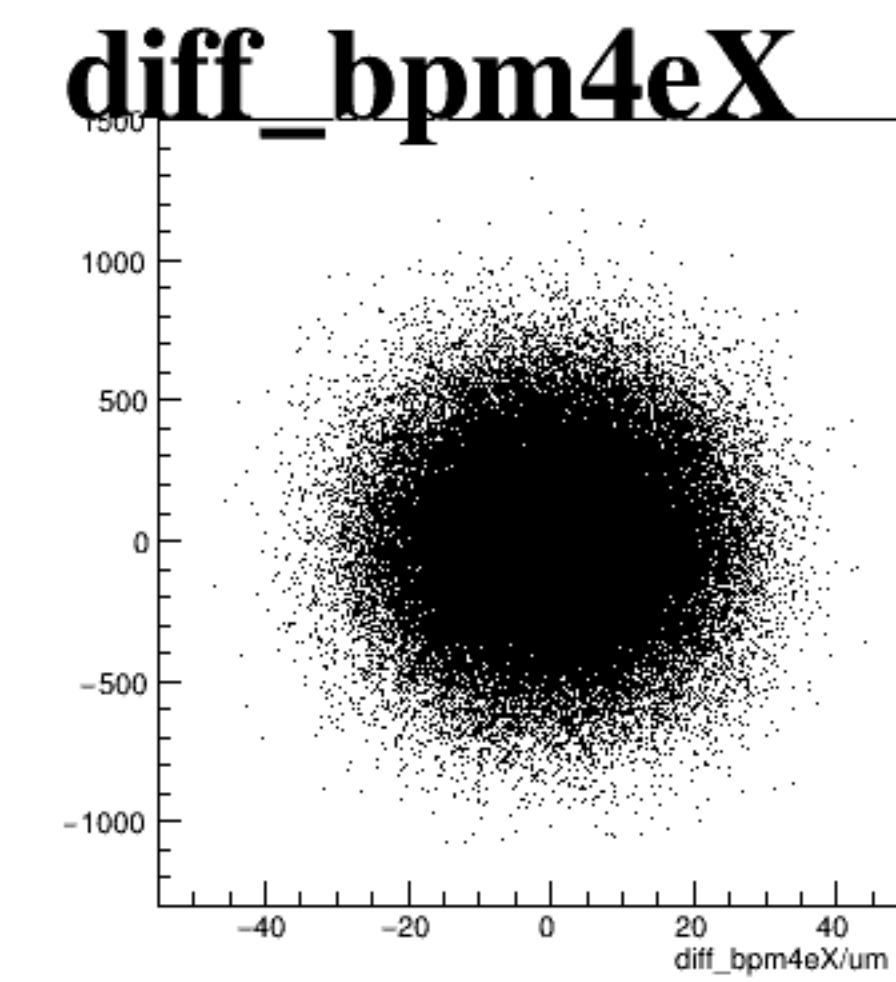
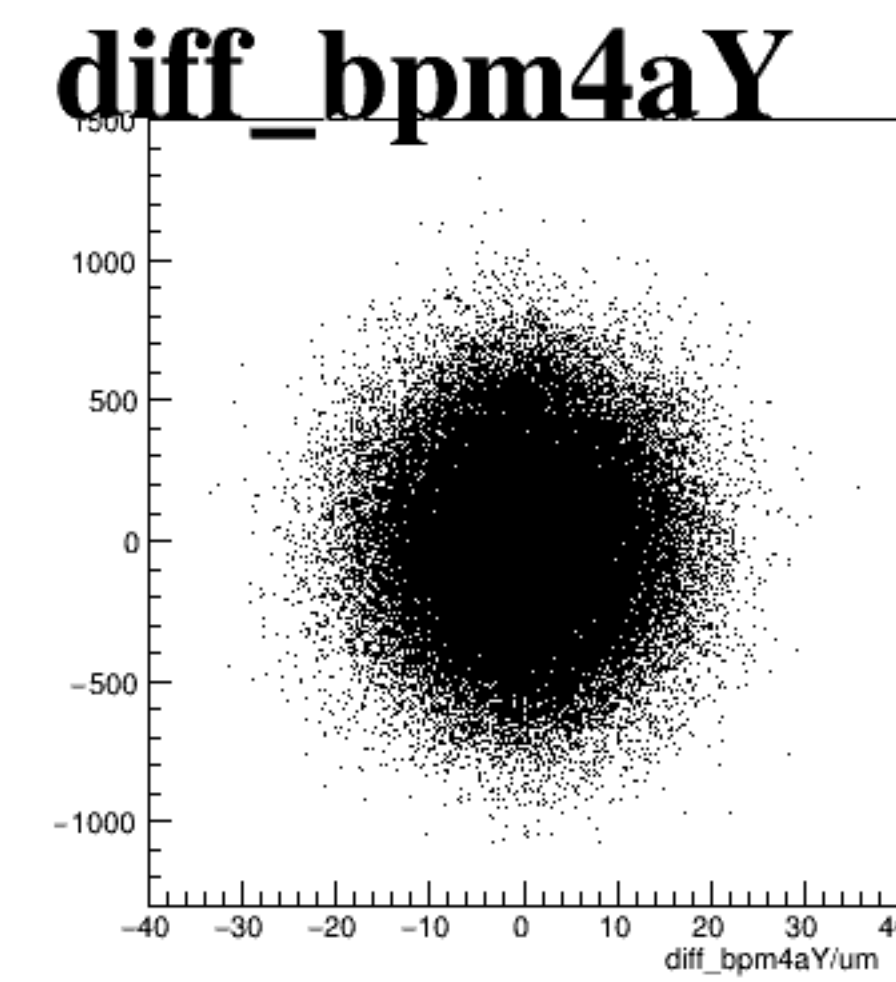
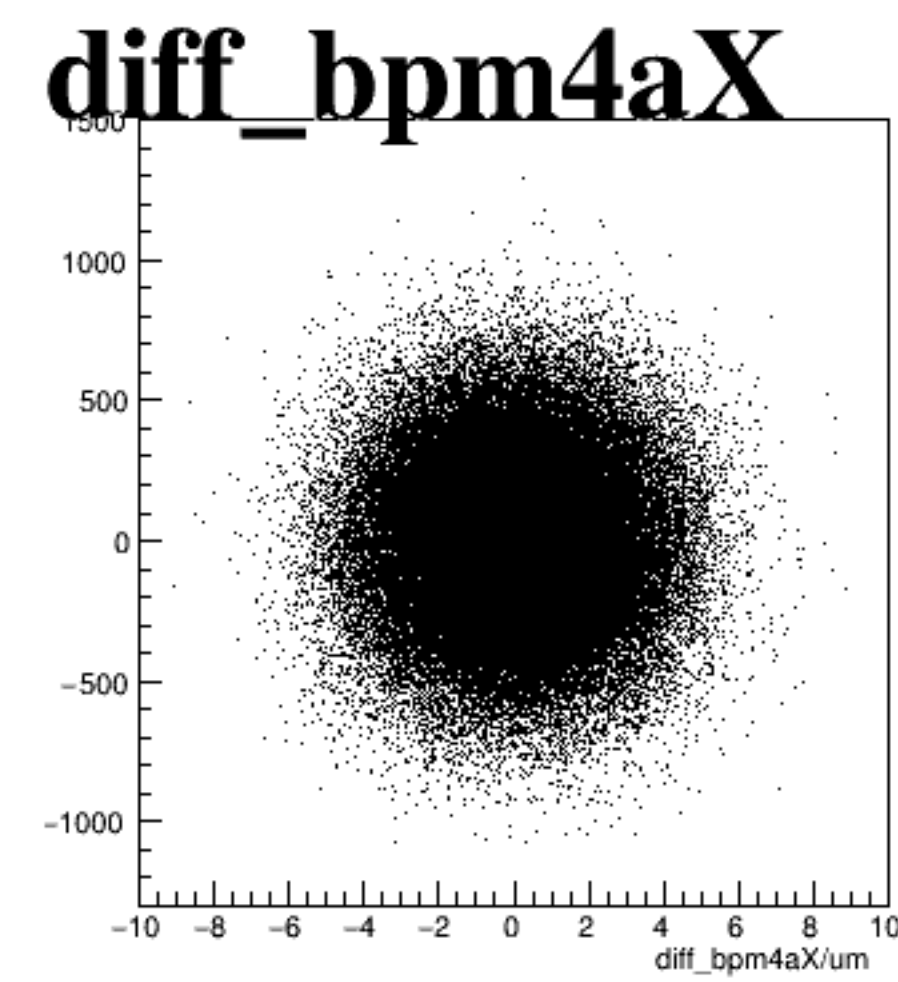
reg_asym_sam1



reg_asym_sam3



reg_asym_sam5



reg_asym_sam7

